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3/9/06	172(Qualified Concrete Producer)
3/14/06	170(Qualified Concrete Producer)
3/16/06	24-25,35(Aggregate Source List)
3/17/06	146-159(Ashpalt Mixing Plants)
3/21/06	25(Aggregate Source List)
3/23/06	103(Epoxy Resing Systems Meeting ASTM C881 Requirements)
3/27/06	170-172(Qualified Concrete Producer)
3/31/06	162(Manufacturers of Concrete Pipe), 173(Qualified Concrete Producer), 101-103(Epoxy Resin Systems Meeting ASTM C881 Requirements), 106(Epoxy Resin Systems Manufacturer Location), 110(Reinforcing Bar Grout Adhesives (Non-Epoxy))
4/4/06	173(Qualified Concrete Producer)
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LIST OF APPROVED MATERIALS

ISSUED BY

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**



**DIVISION OF MATERIALS
FRANKFORT, KENTUCKY**

INTRODUCTION

Certain products and materials used in Kentucky highway work are accepted by virtue of their inclusion on the "List of Approved Materials." The "List of Approved Materials" is initiated and maintained by the Division of Materials (Division) of the Department of Highways (Department) of the Kentucky Transportation Cabinet (Cabinet). The Division serves as the Cabinet's central laboratory. This manual contains the various approved lists maintained by the Division. It also provides information whereby new brands (or sources) of a material may be placed on the appropriate list of approved materials.

Any manufacturer or supplier who desires to have a material or material source added to an approved list should refer to the appropriate approval procedures itemized with each type of material. This will be the Division of Materials (in most cases) or one of the other engineering divisions as appropriate. When referred to a particular Section, please assume that section is within the Division of Materials.

Materials information is added/deleted regularly, making this listing very dynamic. Because of this, any printed version of this "List of Approved Materials" is no doubt out of date. In an effort to provide the industry, public and Cabinet personnel with current materials information, this listing is maintained in several locations. On the Cabinet's wide area computer network it is filed as N:\EVERYONE\GUEST\LAM\LAM95.DOC. All Cabinet network users have access to this location, and thus have access to current materials listings. In addition, everyone outside the Cabinet's network may access the file at the Cabinet's web site at

<http://www.kytc.state.ky.us/materials/material.htm>. Any user wishing to access any of these locations and having difficulty may contact their local District Materials Engineer (DME) or the Division of Materials for information on how to successfully do so. No longer is the DME responsible for notifying the Resident Engineers of daily changes to the "List of Approved Materials."

If you have comments or other suggestions, please contact the Director of this division by phone at 502.564.3160 or by fax 502.564.7034. The mailing address is Transportation Cabinet, Department of Highways, Division of Materials, 1227 Wilkinson Boulevard, Frankfort, KY 40601. The Director's Internet e-mail address is enclosed in parenthesis (Wesley.Glass@mail.state.ky.us).

Wesley Glass, P.E., P.G., Director, Division of Materials

Date

NOTE 1: This manual will be updated regularly. To obtain a copy of this manual or to be placed on the mailing list, contact the Cabinet's Office of Policy and Budget at 502.564.6927 but note the warning in paragraph three above.

DISCLAIMER: This manual assumes no liability on the part of the Transportation Cabinet for the products included nor is it intended to promote any product, supplier or manufacturer over another.

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AIR ENTRAINING ADMIXTURES

Air entraining admixtures shall conform to the requirements of AASHTO M-154, except the chloride content shall not exceed one percent by weight.

Admixtures are placed on the approved list based on evidence of compliance with requirements when determined by either: (1) tests performed by the Division of Materials; (2) by certified test data furnished by a recognized laboratory providing such laboratory shall be one regularly inspected by the Cement and Concrete Reference Laboratory; or (3) for air entraining admixtures which are aqueous solutions of Vinsol Resin, a manufacturer's certification submitted in the following form:

"This is to certify that the product (trade name) as manufactured and sold by (company) is an aqueous solution of Vinsol Resin that has been neutralized with sodium hydroxide to (number) parts of Vinsol Resin. The percentage of solids based on the residue dried at 105 degrees C is (number). No other additive or chemical agent is present in this solution."

Contact the Concrete/Cement section supervisor when you have a product you want to have approved by the Division.

MANUFACTURER & PRODUCT NAME

Addiment Incorporated; Atlanta, GA Addiment AEC (non-vinsol resin)	404.446.6250
Axim Concrete Technologies; Middlebranch, OH Catexol AE 260 (non-vinsol resin) Catexol AE 360 (non-vinsol resin) Catexol VR Catexol VRC	800.899.8795
Chryso, Inc.; Charlestown, IN Air R2 (non-vinsol resin) Air NVR	812.256.4220
BASF Admixtures, Inc.; Cleveland, OH PAVE-AIR PAVE-AIR 90 (non-vinsol resin) MICRO-AIR (non-vinsol resin) MB AE90 (non-vinsol resin) MB-VR Standard	800.628.9990

Euclid Chemical Company; Cleveland, OH	800.321.7628
Air Mix 250 (non-vinsol resin)	
Euco Air Mix	
Euco Air Mix 200 (non-vinsol resin)	
AEA 92 (non-vinsol resin)	
Eucon Air 30 (non-vinsol resin)	
Eucon Air 40 (non-vinsol resin)	
Eucon NVR	
W.R. Grace & CO; Cambridge, MA	617.876.1400
Daravair 1000 (non-vinsol resin)	
Daravair 1400 (non-vinsol resin)	
Darex II AEA (non-vinsol resin)	
Fritz-Pak Corporation; Dallas, TX	888.746.4116
Air Plus	
Super Air Plus	
Hunt Process CORP; Ridgeland, MS	601.856.8811
AIR-IN	
AIR-IN-XT (non-visnol resin)	
Hydration Control; Erlanger, KY	606.635.1350
HY-KON AE 260 (non-visnol resin)	
WR Meadows, INC; Elgin, IL	
Sealtight DS	
Sealtight SS	
Russ Tech Admixtures, INC; Louisville, KY	502.267.7700
RAE-260 (non-vinsol resin)	
RSA-10 (non-vinsol resin)	
RVR-15	
Sika Corporation; Marion, OH	614.885.2235
Sika Air (non-vinsol resin)	
Sika AER	
Sika AEA-15 (non-vinsol resin)	

MINERAL ADMIXTURES

Ground Granulated Blast-Furnace Slag (GGBF) used in portland cement concrete shall conform to ASTM C 989, Grade 100 or Grade 120. Microsilica used in portland cement concrete shall conform to AASHTO M307.

Mineral admixture suppliers are placed on the approved list based on evidence of a satisfactory past record and a satisfactory quality control program which will ensure that the mineral admixture delivered to the project will have uniform properties complying with the specifications. Contact the Concrete/Cement Section Supervisor, Division of Materials for information on obtaining approval for your product.

MANUFACTURER & PRODUCT NAME

Axim Concrete Technologies; Middlebranch, OH Catexol S.F.-D.	800.899.8795 densified microsilica
Buzzi Unicem USA, Inc.; New Orleans, LA Auchem	Grade 120 – GGBF Slag
BASF Admixtures, Inc.; Cleveland, OH Rheomac SF100	800.628.9990 densified microsilica
Elkem Materials Inc.; Alloy, WV EMS – 970 DA	densified microsilica
WR Grace & CO; Cambridge, MA Force 10,000	617.876.1400 densified microsilica
Holcim Inc.; Chicago, IL GranCem	Grade 100 – GGBF slag
Hydration Control; Erlanger, KY Hy – Kon EMS 970S	859.635.1350 densified microsilica
LaFarge North American, Inc.; Grand Chain, IL Newcem	618.543.7541 Grade 120 – GGBF slag
Norchem Concrete Products; Fort Pierce, FL Norchem Silica Fume	561.468.6110 densified microsilica
Russ Tech Admixtures, INC; Louisville, KY Russtech CSF	502.267.7700 densified microsilica
Sika Corporation; Marion, OH Sikacrete 950 DP	614.885.2235 densified microsilica

TYPE A, C, D, E, F, AND G CONCRETE ADMIXTURES

Type A (water-reducing), Type C (accelerating), Type D (water-reducing and retarding), Type E (water-reducing and accelerating), Type F (water reducing-high range), and Type G (water reducing-high range and retarding) shall conform to AASHTO M-194, except the relative durability factor shall not be less than 90 and the chloride content shall not exceed one percent by weight.

Type A or Type D admixtures are required to be used in all Classes of concrete (Except PCCP) by Subsection 601.03.05 of the Standard Specifications. Type A or Type D admixtures are also required to be used in all portland cement concrete overlays. Written permission is required in order to use these admixtures in other classes of concrete to improve workability or retard the time of set.

The Department will continue to include an admixture on the list contingent upon satisfactory performance in actual project use and an annual certification containing the following information:

- 1) A statement that the admixture to be furnished during the particular calendar year is of the same composition as that previously approved for inclusion on the approved list.
- 2) A statement that the admixture conforms to the appropriate requirements of AASHTO M194.
- 3) A statement that the chloride content (as Cl) does not exceed one percent by weight.
- 4) A statement that notification will be made to the Division of Materials of any changes in composition before furnishing the material to projects.

Contact the Concrete/Cement Section Supervisor when you have a product you want to have approved by the Department.

PRECAUTIONS AND REQUIREMENTS CONCERNING THE USE OF AASHTO M-194 TYPE A, TYPE C, TYPE D, TYPE E, TYPE F, AND TYPE G CONCRETE ADMIXTURES

1. Concrete suppliers should have brochures of information sheets furnished by admixture manufacturers regarding recommended dosage rates for various job conditions.
2. Admixtures should be protected from freezing.
3. These admixtures must be added separately from air-entraining admixtures and must remain separate until they are introduced into the mixing water of concrete mixture.
4. All Type A and D admixtures increase the air entraining capabilities of air entraining admixtures.
5. These admixtures work more effectively if added after the other constituents of the concrete have been partially mixed. They definitely should not be allowed to come in contact with the cement prior to addition of the mixing water.
6. Sometimes a Type A or Type D admixture is just not compatible with the cement being used and this usually results in excessive early slump loss. Normally, the only solution is to change either the cement or the admixture.
7. Type D admixtures (set retarding and water reducing) are not effective in controlling false set.

8. There has been an actual case of excessive slump loss when a Type D admixture was used with mixing water having a temperature of 65.6 degrees C (150 degrees F).
9. Most Type D admixtures require rather large dosage rates when attempting to retard concrete in the range of 8-12 hours on hot ((29-32 degrees C) (85-90 degrees F)), windy days.
10. When Admixtures are required, at least the minimum dosage listed herein shall be used unless otherwise directed by the Engineer in writing.

TYPE A (WATER REDUCING) ADMIXTURES

MANUFACTURER & PRODUCT NAME Approved Dosage Range

(Dosages are ounces per 100 pounds of Cement)

Axim Concrete Technologies; Middlebranch, OH	800.899.8795
Catexol 800 N	4 - 6
Catexol 1000 N	2.5 -
Catexol 2000 Ni	3 - 12
Catexol 3000 GP	5 - 12
Catexol 3500 N	6 - 20
Duraflux 33	1 - 8
Chryso, Inc.; Charlestown, IN	812.256.4220
Plast Omega 101	2 - 6
Plast 850	8 - 12
Plast Cer	3 - 5 *
BASF Admixtures, Inc.; Cleveland, OH	800.628.9990
Glenium 3000 NS	4 - 12
Glenium 3030 NS	6 - 18
Masterpave	4 - 6
Masterpave +	3 - 7
Masterpave-N	2 - 4
Polyheed 900	5 - 8
Polyheed 997	5 - 6
Polyheed 1020	3 - 5
Polyheed 1025	3 - 5
Pozzolith 80	4 - 10 *
Pozzolith200N	4 - 6 *
Pozzolith 220-N	2 - 5 *
Pozzolith 322-N	4 - 7 *
PS-1466	2 - 10
Euclid Chemical Company; Cleveland, OH	800.321.7628
Eucon A+	6 - 8
Eucon MR	6 - 10
Eucon WR	4 - 11 *
Eucon WR-75	4 -
Eucon WR-89	4 -
Eucon WR-91	3 - 6 *
Plastol 341	2 - 3
Eucon LR	4 - 6 *
Eucon LW	4 - 6
Eucon NW	3 - 5
WR Grace & CO; Cambridge, MA	617.876.1400

ADVA 140	4 -	
Daracem 55	4 - 9	
Daracem 65	6 - 9	
MIRA 70	6 - 15	
MIRA 92	5 - 15	
WRDA w/HYCOL	3 - 6	
WRDA -20	2 - 4	
WRDA - 79	5 - 7	*
WRDA - 82	3 - 6	
Hydration Control; Erlanger, KY		859.635.1350
Hy-Kon 2000N	3 - 5	
Russ Tech Admixtures, INC; Louisville, KY		502.267.7700
Finishease - NC	7 - 12	
LC - 400	5 -	
LC - 400P	3 - 5	*
LC - 500	3 - 5	
Sika Corporation; Marion, OH		614.885.2235
Plastiment NS	2 - 4	
Plastocrete 161	3 - 6	
Plastocrete 169	4 -	

*May retard setting time of concrete – Please refer to technical data supplied by Admixture Supplier

TYPE C (ACCELERATING) ADMIXTURES

MANUFACTURER & PRODUCT NAME Approved Dosage Range
(Dosages are ounces per 100 pounds of Cement unless noted otherwise)

Axim Concrete Technologies; Middlebranch, OH	800.899.8795
Catexol 1000 RHE	16 - 48
Catexol 2000 RHE	
Catexol CN-CI	4 – 6 gal/yd ³

BASF Admixtures, Inc.; Cleveland, OH	800.628.9990
Polyheed FC 100	15 - 20
Pozzoloth NC 534	27 - 45
Pozzutec 20	50 - 90
Pozzutec 20+	31 - 90
Rheocrete CNI	3-6 gal/yd ³

Euclid Chemical Company; Cleveland, OH	800.321.7628
Accelguard NCA	12-24

Eucon CIA	62 -
Accelguard 80	24 - 32

WR Grace & CO; Cambridge, MA	617.876.1400
Daraset 200	30 - 80
DCI	2 – 6 gal/yd ³
Lubricon NCA	25 -
Polarset	30 – 60

Hydration Control; Erlanger, KY	606.635.1350
Hykon NCA	28 - 32

Russ Tech Admixtures, INC; Louisville, KY	502.267.7700
LCNC – 166	28 - 32
Russ Tech RCI	75 - 128

Sika Corporation; Marion, OH	614.885.2235
Plastocrete 161 FL	12 - 32
Sika Rapid 1	20 - 48
SikaSet NC	20 - 45

TYPE D (WATER REDUCING AND RETARDING) ADMIXTURES

MANUFACTURER & PRODUCT NAME	Approved Dosage Range
(Dosages are ounces per 100 pounds of Cement)	
Axim Concrete Technologies; Middlebranch, OH	800.899.8795
Catexol 1000 R	2.5 – 4
Catexol 1000 N	3 - 5
Chryso, Inc.; Charlestown, IN	812.256.4220
Plast Cer	3 - 9
BASF Admixtures, Inc.; Cleveland, OH	800.628.9990
Delvo Stabilizer	4 - 5
Masterpave – RI	2 - 3
Pozzoloth 100 – XR	3 - 4
Pozzoloth 122 – R	3 - 5
Pozzoloth 200 – N	4 - 6
Pozzoloth 220 – N	2 - 5
Pozzoloth 300 – R	4 - 5
Pozzoloth 961 R	7 - 9
Euclid Chemical Company; Cleveland, OH	800.321.7628
Eucon WR	12 -
Eucon WR-91	6 -
Eucon Retarder 100	3 - 6
Eucon Retarder 75	4 – 5
Eucon RD – 1	8 - 24
Eucon RD - 2	10 - 24
Eucon NR	3 - 6
Eucon LR	6 - 10
Fritz-Pak Corporation; Dallas, TX	888.746.4116
FR-1	1.5 - 2 *
Mini Delayed Set	1 - 1.7 *
Standard Delayed Set	1 - 1.7 *
WR Grace & CO; Cambridge, MA	617.876.1400
Daratard – 17	3 - 8
WRDA-20	4 -
WRDA – 79	4 - 10
Hunt Process Corporation; Ridgeland, MS	601.856.8811
HPS – R	6 - 8
Hydration Control; Erlanger, KY	606.635.1350
Hy-Kon 2000 R	3 - 4
Russ Tech Admixtures, INC; Louisville, KY	502.267.7700
LC – 400 P	7 - 8
LC – 400 R	3 - 5
LC – 500	4 - 5
LC 500 R	5 - 8
Superflo 440 R	11 – 20
Renu	3 - 35

Sika Corporation; Marion, OH	614.885.2235
Plastiment	4 -
Plastocrete 161-MR	3 - 5

*Dry powdered Admixture

TYPE E (WATER REDUCING & ACCELERATING) ADMIXTURES

<u>MANUFACTURER & PRODUCT NAME</u>	<u>Approved Dosage Rate</u>
(Dosages are ounces per 100 pounds of Cement)	

Axim Concrete Technologies; Middlebranch, OH	800.899.8795
Catexol 1000 RHE	8-48
Catexol 2000 RHE	

BASF Admixtures, Inc.; Cleveland, OH	800.628.9990
Polyheed FC 100	10-20
Pozzutec 20	60-90
Pozzutec 20 +	31-90

Euclid Chemical Company; Cleveland, OH	800.321.7628
Accelguard 80	8-48

WR Grace & CO; 62 Whittemore AVE; Cambridge, MA	617.876.1400
Lubricon NCA	15-25

Hydration Control; Erlanger, KY	606.635.1350
Hykon NCA	8 - 32

Russ Tech Admixtures, INC; Louisville, KY	502.267.7700
LCNC – 166	8-32

Sika Corporation; Marion, OH	614.885.2235
Sikaset NC	10-45

TYPE F (“SUPER” WATER REDUCING) ADMIXTURES

MANUFACTURER & PRODUCT NAME	Approved Dosage Range
(Dosages are ounces per 100 pounds of Cement)	
Axim Concrete Technologies; Middlebranch, OH	800.899.8795
Catexol 1000 SP-MN	16 - 40
Catexol 1000 SP-M	12 - 40
Superflux 2000 PC	3 - 10
Duraflux 33	5 - 8
Allegro 122	5 - 12
Chryso, Inc.; Charlestown, IN	812.256.4220
Fluid Optima 200	11.5
Fluid Optima 203	11
Fluid Premia 180	9
Fluid Premia 190	8 - 11
Fluid Ag	12
BASF Admixtures, Inc.; Cleveland, OH	800.628.9990
Polyheed 997	8 -
Polyheed 1020	5 - 12
Polyheed 1025	3 - 12
Rheobuild 1000	11.5 - 20
Glenium 3000 NS	4 - 12
Glenium 3030 NS	6 - 18
Glenium 3200 HES	3.5 - 14
Gelnium 3400 NV	4 - 12
PS-1466	4 - 10
Euclid Chemical Company; Cleveland, OH	800.321.7628
Eucon - 37	16 -
Eucon 1037	16 - 25
Plastol 341	8 - 10
Eucon SP	7 - 24
Eucon SP 150	12 - 24
Fritz-Pak Corporation; Dallas, TX	888.746.4116
Supercizer 1	7 - 9 *
Supercizer 5	5 - 7 *
Hydration Kontrol; Erlanger, KY	859.635.1350
Mighty 150	10 - 13
Super Flo-2000 RM	5 - 26
(WR) Grace & CO; Cambridge, MA	617.876.1400
ADVA 100	5 - 10
ADVA 140	14 - 22
ADVA CAST	
ADVA CAST 530	3 - 10
ADVA FLOW	
Daracem 19	12 - 20
Daracem 100	10 - 20
Daracem ML 330	
Daracem ML 500	

MIRA 70	12 – 15
MIRA 92	10 - 15
Russ Tech Admixtures, INC; Louisville, KY	502.267.7700
Super Flo – 2000 PC	
Super Flo – 2000 RM	10 - 26
Super Flo – 2000 SCC	5 - 26
Super Flo 443	10 - 26
Sika Corporation; Marion, OH	614.885.2235
Sikament FF	12 - 24
Sikament 10 ESL	12 - 18
Sikament 86	20 -
Sikament 300	12 - 18
Sika Viscocete 5000	8 - 16
Sikament MP	12 - 20
Viscocrete 6000	12 – 16
Viscocrete 6100	6 - 12
*Dry powdered Admixture	

TYPE G (“SUPER” WATER REDUCING AND RETARDING) ADMIXTURES

<u>MANUFACTURER & PRODUCT NAME</u>	<u>Approved Dosage Range</u>
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(Dosages are ounces per 100 pounds of Cement)

Axim Concrete Technologies; Middlebranch, OH Catexol 2000 Ni	800.899.8795 12 - 24
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Euclid Chemical Company; Cleveland, OH Eucon RD 1	800.321.7628 8 - 24
Eucon RD 2 (Distributor Only)	10 - 24

Fritz-Pak Corporation; Dallas, TX Supercizer 7	888.746.4116 6 - 8 *
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WR Grace & CO; Cambridge, MA Daracem 100	617.876.1400 15 -
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Russ Tech Admixtures, INC; Louisville, KY Super FLO 440 R	502.267.7700 11 - 20
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*Dry powdered Admixture

PROCEDURES FOR APPROVAL OF AGGREGATE SOURCES

The procedure for aggregate source approval includes: (1) Initial inspection of sources to determine their capability to produce aggregates meeting applicable requirements and periodic re-inspection of approved sources; (2) The performance of acceptance tests on finished product aggregates at designated frequencies; (3) The review of the quality control program submitted to the division by the source; and (4) Verification that said source has provided a Certified Aggregate Technician and adequate testing equipment to carry out such a control program. Producers desiring to supply sand for use in bituminous mixes only are exempt from items 3 and 4.

Approved sources are required to perform their own finished product quality control testing. Inspections to determine compliance with quality control requirements will be conducted by District Material personnel and representatives of the Aggregate Section. Sources which are found not to be in compliance will be notified to correct the situation. Failure to maintain an adequate quality control program will result in removal from the Aggregate Source List.

Those sources for which the producers are adequately equipped and have designated a definite site for production of aggregates and have provided the Division with a Quality Control Program for review may be subject to such inspection and testing as necessary to establish their approved status. This may include inspection of the facilities for crushing, grading or otherwise processing the aggregates; determining location and quantity of potential aggregates at the site; testing various properties of the parent material and classifying them according to their location, quantity and observed properties; and performing tests on finished product aggregates.

Following initial approval, source approvals will be updated when additional parent materials become available or when previously inspected materials appear to change in properties or when the finished product becomes questionable. The incorporation of materials not previously tested, failing material, and/or waste specifically rejected for incorporation into the finished product shall be a basis for rejection of the product and removal of the source from the materials approved list. Approval of sources, other than ledge rock, will be routinely updated.

AGGREGATE SOURCE LIST

1. Approved to supply bituminous fine aggregate only.
2. Approved for fine aggregate only.
3. Not approved for concrete coarse aggregate.

CRUSHED STONE SOURCES

<u>Sources</u>	<u>County</u>	<u>District</u>
2. Martin Marietta Aggregates	Livingston	1
3. Vulcan Materials-Reed Quarry	Livingston	1
5. Rogers Group (Canton)	Trigg	1
6. Rogers Group (Marion)	Crittenden	1
7. Hopkinsville Aggregates	Christian	2
11. Rogers Group (Princeton)	Caldwell	2
12. Martin Marietta Aggregates	Caldwell	2
14. Rinker Materials Corp. (Hartford)	Ohio	2
15. Greenville Quarries	Muhlenberg	2
16. Rinker Materials Corp. (South)	Warren	3
18. Rinker Materials Corp. (North)	Warren	3
21. Scotty's Stone (Scottsville)	Allen	3
22. Hanson Aggregates (Franklin)	Simpson	3
23. Hanson Aggregates (Russellville)	Logan	3
29. Scotty's Stone (Tompkinsville)	Monroe	3
31. Hanson Aggregates (Upton)	Hardin	4
33. Vulcan Const.Materials Co., LP (Ft. Knox) (3)	Hardin	4
35. Vulcan Const.Materials Co., LP (Brandenburg)	Meade	4
36. Riverside Stone Company	Meade	4
37. Liter's, Inc. (Irvington)	Breckinridge	4
38. White Stone Company (3)	Breckinridge	4
39. Scotty's Stone (Leitchfield)	Grayson	4
41. Rinker Materials Corp. (Bardstown)	Nelson	4
43. Nally Haydon (Lebanon)	Marion	4
44. Nally and Gibson (Greensburg)	Green	4
45. Nally and Gibson (Campbellsville)	Taylor	4
46. Hart Stone Company	Hart	4
47. Mulzer Brothers (Cape Sandy)	Crawford, IN	4
49. Hanson Aggregates (Atkins)	Clark, IN	5
51. Harrod Concrete and Stone	Franklin	5
54. Rogers Group	Oldham	5
57. Quality Crushed Stone	Bullitt	5
58. Bullitt County Stone	Bullitt	5
59. Jefferson County Stone	Jefferson	5
62. Liters Quarry Incorporated (Lockport)	Henry	5
63. Carmeuse Lime and Stone	Pendleton	6
64. Hilltop Basic Resources (Butler)	Pendleton	6
66. Hanson Aggregates (Tyrone)	Anderson	7
67. Bourbon Limestone Company	Bourbon	7
68. Caldwell Stone Company	Boyle	7
69. Vulcan Const.Materials Co., LP	Fayette	7
70. Vulcan Const.Materials Co., LP (Richmond Road)	Fayette	7
73. Lexington Quarry Company	Jessamine	7

74. Boonesboro Quarries	Madison	7
75. Mercer County Stone	Mercer	7
76. Powell Stone	Montgomery	7
77. Nally and Gibson (Georgetown)	Scott	7
81. Hanson Aggregates (Mount Vernon)	Rockcastle	8
82. Casey Stone Company	Casey	8
85. Gaddie-Shamrock Stone, Inc. (Burkesville) (3)	Cumberland	8
86. Gaddie-Shamrock Stone, Incorporated (Albany)	Clinton	8
87. Bassett Products, Incorporated	Wayne	8
88. Lake Cumberland Stone	Pulaski	8
89. Somerset Stone Company, Incorporated`	Pulaski	8
92. Hanson Aggregates (Plum Run)	Adams, Ohio	9
94. Mountain Materials	Carter	9
100. Hanson Aggregates (Flemingsburg)	Fleming	9
102. Tipton Ridge Stone	Estill	10
103. Yellowrock, A Division of Hinkle (3)	Lee	10
108. Natural Bridge Stone Company	Powell	10
110. Menifee Stone	Menifee	10
112. Nally-Haydon (Harlan)	Harlan	11
113. Jellico Stone Co.	Campbell, TN	11
114. Elmo Greer & Sons, Inc. (Ewing)	Lee, VA	11
117. The Allen Company (Clover Bottom)	Jackson	11
119. Pine Mountain Stone	Letcher	12
120. Nally-Haydon (Cumberland)	Letcher	12
123. Elkhorn Stone Company	Pike	12
127. Oldham County Stone	Oldham	5
130. Montgomery Stone	Montgomery	7
131. Nally-Gibson (Springfield)(3)	Washington	4
141. Butler County Materials, LLC	Butler	3
144. Cave Run Stone	Morgan	10
149. Ragland Quarry	Grayson	4
154. Scott Co. Stone Company	Scott, IN	5
159. Hanson Aggregates (Cooper Lane)	Clark, IN	5
162. Cameuse Lime (Maysville) (3)	Mason	9
165. Gaddie-Shamrock Stone Company (Columbia)	Adair	8
167. E. Dillon and Company (3)	Russell, VA	12
169. Corydon Crushed Stone	Harrison, IN	5
170. Sellersburg Stone Company	Clark, IN	5
189. Vulcan Const. Materials Co., LP	Parsons, TN	1
192. Mulzer Crushed Stone	Clark, IN	5
194. Hanson Aggregates-Laurel	Pulaski	8
204. Vulcan Const.Materials Co., LP (Norton) (3)	Wise, VA	12
206. Vulcan Const.Materials Co., LP Tazewell, TN (3)	Clairborne, TN	11
209. Martin Marietta Aggregates	Hardin, IL	2
211. Dix River Stone	Garrard	7
213. Nally and Hayden Pineville, LLC	Bell	11
216. Scotty's Barren County Stone	Barren	3
218. Grassy Stone (Mt. Enterprises) (3)	Carter	9
219. Vulcan Const.Materials Co., LP	Hardin	4
224. Hanson Aggregates (Sellersburg)	Clark, IN	5
227. Melvin Stone	Clinton, OH	6
229. Hanson Aggregates-Eagle	Brown, OH	9
230. Hanson Aggregates (AA Stone)	Carter	9
231. Scotty's Barren East Quarry	Barren	3
232. Jessee Stone Co. (3)	Lee, VA	11

234. Hanson Aggregates-Laurel #2	Pulaski	8
236. Sterling Materials	Gallatin	6
238. Martin Marietta Agg. Plant #2	Hardin, IL	2
240. Hanson Aggregates	Ripley County, IN	6
241. Mulzer Crushed Stone, Inc.	Harrison, IN	4
245. Hilltop-Big Ben Quarry, LLC	Meade	4
247. Hanson Aggregate-Mid West (1)	Jennings, IN	5
250. Hanson Aggregate-Putnamville Plant (1)	Putnam, IN	5
253. Winn Materials	Montgomery, TN	2
254. Burton Stone	Adair Co.	8
256. Apex Quarry, LLC	Christian Co.	2
257. Florida Rock Industries, Inc.	Hardin Co., IL	1
258. Martin Marietta-Lynchburg	Highland Co., OH	6
259. Hart Co. Stone-Glasgow	Barren	3
262. Cumberland River Resources	Livingston	1
263. Florida Rock Industries/Grand Rivers	Livingston	1
264. Whitley Co. Stone (3)	Whitley	11
267. Latham Stone, Inc. (3)	Latham, OH	9

SAND AND GRAVEL SOURCES

2. Ingram Materials (2)	McCracken	1
4. IMI-South, LLC, Delta (2)	Union	2
6. Henderson Materials (2)	Henderson	2
7. Yager Materials (2)	Daviess	2
8. Daviess Co. Sand & Gravel (2)	Daviess	2
9. Cloverport Sand and Gravel Company	Breckinridge	4
10. Lucas Sand and Gravel Co. (Mauckport)	Harrison, IN	4
15. Nugent Sand Company	Jefferson	5
23. Nugent Sand Company (Carrollton-Milton)	Carroll	6
32. Hilltop Basic Resources	Switzerland, IN	6
42. Shelly Materials Inc. (1)	Meigs, OH	9
44. Ironton Sand & Gravel (2)	Scioto, OH	9
52. Kentucky Aggregates (1)	Hart	4
58. Mid South Construction, Inc. (2)	Graves	1
60. IMI-South, LLC, Delta (2)	Henderson	2
63. Hanson Aggregates (2)	Pike, OH	9
65. Martin Marietta Aggregates	Hamilton, OH	6
67. M and M Construction (1)	Floyd, IN	5
72. Lake City Mining Company (1)	Livingston	1
95. Martin Marietta Aggregates (Fairfield)	Butler, OH	6
97. Northern Kentucky Aggregates	Boone	6
101. Harrison Sand and Gravel (2)	Hamilton, OH	6
103. Martin Marietta Aggregates (Ross)	Butler, OH	6
111. Welch Sand and Gravel Company (Ross, OH) (2)	Butler, OH	6
121. Watson Sand and Gravel	Butler, OH	6
132. Welch Sand and Gravel Company (East Miami)(2)	Hamilton, OH	6
138. Martin Marietta Aggregates (Hamilton)	Butler, OH	6
140. Belleview Sand and Gravel	Boone	6
151. Hanson Aggregates (2)	Scioto, OH	9
155. B C E Materials (E Blair)	Scioto, OH	9
157. Welch Sand and Gravel (1)	Calloway	1
159. Trimble County Sand & Gravel (2)	Trimble	5
161. Irving Materials Inc., Delta (Ledbetter) (2)	Livingston	1
166. I-164 Sand Pit (1)	IN	2

167. Martin Marietta @ Petersburg	Boone	6
169. Todd County Sand & Gravel (1)	Todd	3
177. Martin Marietta-Elizabethtown Plant	Hamilton, OH	6
181. Silver Creek S & G (2)	Floyd, IN	5
188. Deering Road, LLC (1)	Jefferson	5
192. Ohio Valley Gravel & Sand (3)	McCracken	1
196. Jay Mar Inc. (1)	Meigs, OH	9
197. Hanson Aggregates (Dry Fork Plant)	Hamilton, OH	6
198. Tennessee Asphalt Co. (2)	Henry, TN	1
199. Welch Sand and Gravel (2)	Butler, OH	6
201. Lewis Co. Sand and Gravel (2)	Lewis	9
205. Harrison Sand & Gravel	Dearborn, IN	6
208. Letart Corp. S & G (2)	Gallipolis Ferry, WV	9
211. Watson Sand & Gravel	Hamilton Co., OH	6
212. Nugent Sand Co.	Gallitan	6
213. Scioto Sand & Stone (1)	Scioto County, OH	9
215. Tow Path Ready Mix (2)	Pike, OH	9
216. Griffin Sand (2)	Vanderburg, IN	2
232. Watson Gravel (2)	Hamilton, OH	6

SLAG SOURCES

<u>Sources</u>	<u>County</u>	<u>District</u>
3. Stein, Inc. (3)	Boyd	9
5. AK Steel (Middletown, OH) (3)	Butler, OH	6
12. Heckett Multiserv (3)	Gallatin, KY	6
19. Reed Minerals	Muhlenberg	2

SANDSTONE SOURCES

Sources

County

District

No sources currently in this category.

SILICA SAND

Sources

County

District

5. Wedron Silica		Wedron, IL
6. Unimin Corp.		Junction City, GA
146. Foster Dixiana		Columbia, SC

LIGHTWEIGHT AGGREGATE

Sources

County

District

Sources approved on a project by project basis.

COAL BOTTOM ASH

Conform to 804.08 Pipe Bedding and chemical and resistivity requirements of 805.12 Reinforced Fill Material.

Sources

County

District

6. *	Charah Environmental Inc.	Jefferson	5
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*Applications restricted to pipe bedding and backfill which are not within floodplains or wetlands, 100 feet of existing streams, or 300 feet of existing drinking water wells.

REDISTRIBUTION YARDS

Note: It is the responsibility of each yard to be aware of their supplier's restrictions (if applicable) regarding material which may be supplied for project use. This would include, but is not limited to, freeze-thaw or carbonate-alkali expansion restrictions for concrete use.

(KMIMS identification numbers in parentheses)

(S000114) Paducah-McCracken-Riverport
P.O. Box 2302
Paducah, KY 42002-2302
Suppliers: P000202 Ingram Materials
P000201 Martin-Marietta
Contact: Ken Canter
Phone: 502.442.5207

- (S000314) Liter's Quarry of Indiana (Riverport Terminal)
 1415 Quarry Road
 Jeffersonville, IN 47130
 Location: 8500 Port Road, Louisville, KY
 Suppliers: P014002 Belleview S&G (fine agg.)
 P000802 Daviess Co. S&G (for project use-fine agg.)
 P015902 Trimble Co. S&G (coarse agg.)
 P004901 Liter's (for project use-coarse agg.)
 P015901 Liter's (coarse aggregate)
 Contact: Dean Lee
 Phone: 502.935.4590/812.282.0040 - John Hamm
- (S000414) Liter's Quarry, Inc. (Carrollton Yard)
 1058 River Rd.
 Lockport, KY 40036
 Location: Hwy 227 off I-71, Carrollton, KY
 Suppliers: P006201 Liter's (for project use-coarse agg.)
 P005401 Liter's (coarse agg.)
 no fine agg. to be stockpiled here
 Contact: Eddie Winters
 Phone: 502.732.4676
- (S000514) Belleview S&G
 5725 Belleview Rd.
 Petersburg, KY 41080
 Location: same
 Suppliers: P006201 Liter's (for project use-coarse agg.)
 P003601 Riverside Stone (coarse agg.)
 Contact: Bill Rudicill
 Phone: 606.586.8211
- (S000614) Maysville Materials Co.
 P.O. Box 797
 Frankfort, KY 40602
 Location: Maysville, KY: 2 miles east on Ky 10
 Supplier: P001502 Nugent Sand Co. (fine agg.)
 Contact: Anthony McGlone
 Phone: 606.564.6791
- (S000714) Rinker Materials-Butler Co. Yard
 2615 Bowling Green Rd.
 Morgantown, KY 42261
 Location: same
 Supplier: P001401 Rinker Materials
 Contact: Jeremy Goad
 Phone: 270.393.1700 or 270.298.3221

- (S000914) Trimble County Sand & Gravel
 920 Wise Landing Rd.
 Bedford, KY 40006
 Location: same
 Supplier: P006201 Liter's (for project use-coarse agg.)
 P005401 Liter's (coarse agg.)
 Contact: Dwayne Fackler
 Phone: 800.323.4729
- (S001014) Nugent Sand Co.-Riverport
 7900 Fortune Drive
 Louisville, KY 40258
 Location: Same (Between Cane Run Rd. and Green Belt)
 Suppliers: P001502 Nugent Sand – Louisville (Fine agg.)
 P002302 Nugent Sand – Milton (Fine agg.)
(Blended fine aggregate stockpile using above)
 P024101 Mulzer Crushed Stone (Concrete coarse agg.)
 P024501 Liter's Big Bend Quarry (DGA only)
 Contact: Kenny Cross
 Phone: (502) 995-7919 / (502) 552-8356 Kim Javins
- (S001114) Belleview S&G-Taylorsport Terminal
 5725 Belleview Rd
 Petersburg, KY 41080
 Location: 5868 River Rd., Hebron, KY 41048
 Suppliers: P003601 Riverside Stone (for project use-coarse agg.)
 P006201 Liter's Quarry
 P014002 Belleview Sand and Gravel (fine agg.)
 Contact: Susan Shuffett
 Phone: 859.586.8990
- (S001214) Hilltop Basic Resources – River Terminal
 1 W. 4th Street
 Cincinnati, OH 45202
 Location: 511 W. Water St., Cincinnati, OH 45202
 Suppliers: P002302 Nugent (fine agg.)
 P003202 Hilltop (fine & coarse conc. agg.)
 P003601 Riverside (coarse)
 P004701 Mulzer (concrete agg.)
 P019201 Mulzer (concrete agg.)
 P024101 Mulzer (concrete agg.)
 Contact: Darrell Harris, Brad Slabaugh, Dan Corner
 Phone: 513.621.4995 (terminal) or 513.684.8247

- (S001314) Hilltop Basic Resources – Constance Terminal
1 W. 4th Street
Cincinnati, OH 45202
Location: KY Rte. 8, Constance, KY
Suppliers: P002302 Nugent (fine agg.)
P003202 Hilltop (fine & coarse conc. agg.)
P004701 Mulzer (concrete agg.)
P024101 Mulzer (concrete agg.)
Contact: Darrell Harris, Brad Slabaugh, Dan Corner
Phone: 606.586.0148 (terminal) or 513.684.8247
- (S001414) Hilltop Basic Resources – East Side Terminal
1 W. 4th Street
Cincinnati, OH 45202
Location: 6777 Kellogg Ave., Cincinnati, OH 45230
Suppliers: P002302 Nugent (fine agg.)
P003202 Hilltop (fine & coarse conc. agg.)
P003601 Riverside (coarse)
P004701 Mulzer (concrete agg.)
P019201 Mulzer (concrete agg.)
P024101 Mulzer (concrete agg.)
Contact: Darrell Harris, Brad Slabaugh, Dan Corner
Phone: 513.232.1755 (terminal) or 513.684.8247
- (S001514) Ingram Materials
610 Riverside Dr.
Clarksville, TN 37040
Location: Same
Suppliers: P000202 Ingram Mtls.
Contact: Joe Streetman
Phone: 931.648.0231
- (S001614) Davies Co. Sand & Gravel
6133 US 60 East
Owensboro, KY 42303
Suppliers: P000201-Martin Marietta/Three Rivers
P004701-Mulzer @ Cape Sandy
P014101-Butler Co. Materials LLC
P014901-Ragland Quarry
P019201-Mulzer @ Charlestown
P023701-Martin Marietta (Cave In Rock)
P024501-Southern Pride Materials
Contact: Roy Adams
Phone: 270.684.3278

- (S001714) Martin Marietta-Kellogg Yard
4345 Kellogg Ave.
Cincinnati, OH 45226
Suppliers: P009502-Martin Marietta/Fairfield
P006301-Carmeuse Lime
P003601-Riverside Stone Co. (Yager)
Contact: Jim Martin
Phone: 859.586.9148
- (S001814) Mid South Construction Co., Inc.
P.O. Box 66
Hickory, KY 42051
Suppliers: P026301-Florida Rock/Grand Rivers
Contact: Dennis Darnell
Phone: 270.247.7470
- (S001914) Maysville Ready Mix Aberdeen Terminal
600 D.B Coughlin Blvd.
Maysville, KY 41056
Suppliers: P003202-Hilltop Basic Resources, Patriot Plant (Fine & Coarse Agg.)
P024501-Hilltop-Big Ben Quarry (Coarse Agg.)
Contact: Michael Kennedy
Phone: 606.564.4081
- (S002014) Todd County Crushed Stone
4240 Jeff Davis Hwy.
Elkton, KY 42220
Suppliers: P002301-Hanson Aggregates @ Russellville, KY
P002601-Hanson Aggregates @ Elkton, KY
Contact: Perry Lacy
Phone: 270.265.2253

POLISH-RESISTANT AGGREGATE SOURCE LIST AND GUIDELINES

Aggregates supplied for Polish-Resistant Surfaces shall meet the applicable requirements of the Standard Specifications sections 804 and 805, Special Notes, and restrictions contained in the attached listing. In addition to Class A or Class B (See subsection: 403.03.03 A) sources listed herein, Polish-Resistant Fine Aggregate includes (but is not limited to) natural sands, conglomerate sands and crushed gravel sands which are on the Aggregate Source List.

CLASS A POLISH-RESISTANT AGGREGATE SOURCES

The sources listed herein have demonstrated satisfactory polish-resistant qualities or satisfactory performance as skid-resistant aggregates for polish-resistant surface mixes. In addition to meeting the list requirements, sampling and testing on a project basis will also be required. The continued acceptance of individual sources shall be based on satisfactory performance. Blending of aggregates from 2 or more Class A sources may be approved on a project-by-project basis upon request to the Division.

Upon request additional aggregate sources may be added to this list on the basis of satisfactory skid-resistant performance in another state, laboratory testing, and/or experimental test sections.

CLASS B POLISH-RESISTANT AGGREGATE SOURCES

Sources listed under "Class B Polish-Resistant Aggregate Sources" may be used only if the bid item in the project proposal permits their use. These sources may be promoted to the Class A Polish-Resistant Aggregate Source List by establishing a satisfactory history of performance. Individual sources may be removed from the Class B Polish-Resistant Aggregate Source List based on poor performance.

GUIDELINES FOR CLASS B POLISH-RESISTANT SURFACE MIXES (INCLUDING BLENDS)

Contractors may elect to supply Class B polish-resistant aggregates or an aggregate blend utilizing any unrestricted Class A Polish-Resistant Aggregate. Any proposed Class B blend will be reviewed upon submission of the mix design by the contractor.

PERFORMANCE TESTING BY SPECIFIC PROJECT APPLICATION

Sources other than these listed will be considered for polish-resistant surface mixes on a project by project basis. A change order request subsequent to bid letting shall be submitted to the Engineer for review.

UNLISTED SOURCES APPLYING FOR CLASS B STATUS

Approval of such requests will be limited to roads with less than 15,000 ADT and more than 6,000 ADT which have travel speeds equal to or greater than 55 mph (suitable for skid testing) and without other existing adverse safety considerations. The project length shall be sufficient to accommodate a one mile test section. Any one source will be limited to three project applications until an evaluation of skid data is completed. Three one mile applications will be required prior to consideration of a change in status.

CLASS B SOURCES APPLYING FOR CLASS A STATUS

Sources considered must have proven performance as a Class B source and identify a change in production or material that could result in improved skid resistance. Approval of such requests will be limited to roads with less than 40,000 ADT, suitable for testing and without other existing adverse safety considerations. The project length shall be sufficient to accommodate a one mile test section of the Class B aggregate and a one mile section of Class A aggregate for comparison. More than one test section may be placed if project length permits. Any one source will be limited to three one mile project applications until an evaluation of skid data is completed. Three applications will be required prior to consideration of a status change.

CLASS A POLISH-RESISTANT SOURCES

The address listed for the following sources is the location of supply unless noted otherwise.

CRUSHED GRAVEL

Gravels shall meet the requirement of 50% minimum acid insoluble residue content by ASTM D 3042 and/or have satisfactory performance history. Crushed gravels may be prohibited on a project-by-project basis.

A. P009702 Northern Kentucky Aggregates
3743 Belleview Road
Petersburg, KY 41080
Phone: 859.586.6610
Bob Hunt or Rick Dostal or Bill Birkle

CRUSHED SLAG

(Provision stated in Subsection 402.04.01 of 2000 Standard Specifications may apply for heavy aggregate)

A.	P000303	Stein, Inc. 69 Armco Rd. Ashland KY 41101 Phone: 606.329.2933 Doug Huffnagel, Bud Gravatt	Blast Furnace Slag and Steel Slag Raw blast furnace slag from this plant will be processed exclusively by Mountain Slag @ Greenup, KY.
B.	P001203	Heckett Multiserv 4411 U.S. Highway 42W Ghent, KY 41045 Phone: 812.592.0710 Brian Hoevener	Steel slag from this plant will be processed exclusively by TFO, Inc. @ Ghent, KY.

CRUSHED QUARTZITE

No sources currently in this category.

CRUSHED SILTSTONE

A.	P000111	Rinker Materials PO Box 40 Springfield, TN 37172 Phone: 615.384.3524 Chad Swallows	High Insol ledges only
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B P000611 Roger's Group, Inc.
4450 South Park House Road
Cross Plains, TN 37049
Phone: 615.654.9942
Tony Birdwell

C. P000711 Vulcan Materials Co. Benches D and E
Clarksville Quarry
PO Box 952
Clarksville, TN 37040
Phone: 931.645.4523
John Johnson

DOLOMITE

Dolomites shall have a minimum magnesium carbonate (KM 64-224) of 37% and/or have satisfactory performance history.

A. P004101 Rinker Materials
2095 E. John Rowan Blvd.
Bardstown, KY 40004
Phone: 502.348.9533
Joe Moran, Supt.

B. P005701 Quality Crushed Stone Laurel – Ledges 6,7,8
3260 N Preston Highway
Shepherdsville, KY 40165
Phone: 502.955.6962
Kevin Holloway

C. P005801 Bullitt County Stone Company Laurel – Ledges 6,7,8
305 Bells Mill Road Louisville – Ledges 1A-4
Shepherdsville, KY 40165
Phone: 502.957.5180 or 502.254.8906
George Determann

D. Hanson-Midwest (Davon)
Plum Run Stone Division
4281 Roush Road
Hillsboro, OH 45133
Phone: 937.393.4211
Craig Morgan

P009201 PLANT LOCATION:
Peebles, OH Ledges 2-6

E.	P012701	Oldham County Stone PO Box 237 Crestwood, KY 40014 Phone: 502.254.4359 Jim Gregor	Laurel- Ledges 1M, 2M, 3M
F.	P017001	Sellersburg Stone Company 1019 E. Utica Street Sellersburg, IN 47172 Phone: 812.246.7350 Phone: 812.246.3383 George Williams Ken Rush	Laurel - Ledges 18,19,20 Not permitted as the polish- resistant portion of Class B blends. Not permitted as the polish-resistant portion of OGFC.
G.	P019201	Mulzer Crushed Stone 15602 Bethlehem Rd. Charlestown, IN 47111 Phone: 812.256.3346 Jimmy Bowman	Laurel - Ledges 4, 5
H.	P022701	Melvin Stone Co. 228 Melvin Road Wilmington, OH 45177 Phone: 800.521.7556 Glenn Coleman	Ledges 1-3
I.	P026701	Latham Stone, Inc. 6424 St. Route 124 Latham, OH 45646 Phone: 740.998.5016 Randy Grooms	Ledges 1-4 Not permitted as the polish- resistant portion of Class B blends. Not permitted as the polish-resistant portion of OGFC.

LIMESTONE

A.	P000301	Vulcan Materials-Reed Quarry 947 Hwy 62 Grand River, KY 42045 Phone: 270.362.4265 Terry Teitloff	Ledges 18-27
B.	P000701	Hopkinsville Aggregate PO Box 1045 Hopkinsville, KY 42241 Phone: 270.885.6161 Russell Mann	Ledge 1A

C.	P004301	Nally and Haydon 1270 Hwy 208 Lebanon, KY 40033 Phone: 270.692.2321 David Haydon	Ledges 1, 2A, 2B, 3
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CRUSHED GRANITE

A.	P000107	Vulcan Materials PO Box 549 Enka, NC 28728 Phone: 828.255.8561 Weldon Peek, Supt. Tom Cathey, Sales
B.	P000307	Maymead Incorporated PO Box 911 Mountain City, TN 37683 Phone: 423.727.2039 <i>quarry</i> Phone: 423.727.2000 <i>main office</i> Wiley Roark
C:	P000407	Mountain Materials Plant # 4 4648 Potato Creek Road Mouth of Wilson, VA 24363 Phone: 540.579.6351 <i>quarry</i> Phone: 606.922.8646 Keith Bishop-contact

CLASS B POLISH-RESISTANT SOURCES

The address listed for the following sources is the location of supply unless noted otherwise.

CRUSHED GRAVEL (Medium Insoluble)

Gravels shall meet the requirement of 15% minimum acid insoluble residue content by ASTM D 3042 and/or have satisfactory performance history.

A.	Hilltop Basic Resources, Incorporated One West 4th Street, Suite 1100 Cincinnati, OH 45202-3615 Phone: 513.684.8224 Brad Slabaugh
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PLANT LOCATION:

B.	P003202 P016702	Patriot, IN Martin Matietta Aggregates
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3503 Bellview Road
Petersburg, KY 41080
Phone: 859.586.2591
Jim Martin

PLANT LOCATION:

Petersburg, KY

DOLOMITE

No sources currently in this category.

LIMESTONE

Finished product aggregate from limestone sources shall have a minimum acid insoluble residue content of 15% by ASTM D 3042 and/or have a positive indication of satisfactory skid resistance.

- | | | | |
|----|---------|---|------------------|
| A. | P000501 | Rogers Group
2934 Canton/Blue Springs Road
Cadiz, KY 42211
Phone: 270.924.5434
Brad Walker | Bench A (1T-3T) |
| B. | P007501 | Mercer County Stone
1050 Burgin Road
Harrodsburg, KY 40330
Phone: 859.734.7769
Jerry Thomas | Ledges 2T and 1T |
| C. | | Scotty's Stone
PO Box 4500
Bowling Green, KY 42101
Phone: 270.781.3998
Mike Law | |

PLANT LOCATION:

- | | | |
|---------|-------------------------------------|--------------------|
| P021601 | Glasgow, KY
Barren Co. Quarry #3 | Ledges 4, 5, and 6 |
|---------|-------------------------------------|--------------------|

SPECIFIC PROJECT APPLICATION ONLY

Sources listed are for use only on projects approved by change order.

- | <u>SOURCE NUMBER</u> | <u>SOURCE NAME</u> | <u>LEDGES</u> | |
|----------------------|--------------------|--|---|
| A. | P000601 | Rogers Group, Inc.
Marion Quarry
8081 US 60 East
Marion, KY 42064
Phone: 270.956.3108
Brad Walker | Bench A
US 60 Union
MP 13.06-14.06 |
| B. | P000701 | Hopkinsville Aggregate
PO Box 1045
Hopkinsville, KY 42241
Phone: 270.885.6161
Russell Mann, Supt. | Bench B
US 60 Union
MP 25.10-26.10
Bench F |

US 41A NB Christian
MP 5.00-5.74

Bench F
US 60 Union
MP 23.00-24.10

Bench G
US 41A NB Christian
MP 8.42-9.39

Bench G
US 60 Union
MP 24.20-25.10

C.

Walker Construction Co.
PO Box 308
Mt. Sterling KY 40353
Phone: 859.498.0092
Bryce Walker

Ledge 1
KY 36 Bath
MP 12.45-13.00

KY 11 Powell
MP 17.19-20.97

PLANT LOCATION:

P011001 Frenchburg, KY

ASPHALT RELEASE AGENTS (TRUCK-BED-SOLUTIONS)

The approved materials list for asphalt release agents has been discontinued. Please refer to Section 403.02.05 of the *Standard Specifications for Road and Bridge Construction*.

CEMENT

Cement is permitted from domestic and foreign mills based on inclusion on the following approved list. Requirements for inclusion are:

Domestic Cements- Cement mills shall maintain laboratories which are AASHTO accredited in ASTM C150 test methods. A 15 pound sample must be submitted and approved along with certified mill test data developed over the previous six months for each type of cement normally produced. The sample will be tested for specification compliance and the mill test data will be reviewed for uniformity.

Foreign Cements- Cement mills shall be sponsored by a domestic cement mill meeting the requirements above. The sponsoring cement mill shall submit a 15 lb. sample from each acquisition of foreign cement along with testing performed by the sponsoring cement mill's accredited laboratory which certifies compliance of the foreign cement. The sample will be tested for verification and approval purposes. The certification accompanying each load of cement to the project site must identify clearly the originating foreign cement mill and the sponsoring cement mill.

Cement from mills on the approved list may be used prior to testing provided each load is accompanied by a signed certification attesting to cement type and conformance to the specified ASTM specifications. If a cement mill has more than three failures out of 30 field "check samples," that cement mill will be suspended from the approved list. The Division will confirm that the failures were representative of cement shipped from the mill and not due to job-site contamination.

Contact the Concrete/Cement Section for information on obtaining approval for your project.

CEMENT MILLS

Essroc Materials Incorporated

Domestic Mills located at:

Fredrick, MD (P685701)

Speed, IN (P240601)

Foreign Mills located at:

Milaki, Greece (P240603)

Devnya, Bulgaria (P240607)

Cairo, Egypt (P240606)

Hoping, Taiwan (P240602)

Holcim Cement Incorporated

Domestic Mills located at:

Clarksville, MO (P240202)

Dundee, MI (P240201)

Holly Hill, SC (P241201)

Theodore, AL (P240203)

Foreign Mills located at:

Daewoo; Shendong, China (P240208)

Milaki, Greece (P240204)

Lima, Peru (P240209)

Ssangyong, South Korea (P240210)

Siam City, Thailand (P240212)

Lafarge Corporation

Domestic Mills located at:

Paulding, OH (P242401)

Grand Chain, IL (P240801)

Davenport, IA (P242402)

Atlanta, GA (P242601)
Calera, AL (P240405)

Lehigh Portland Cement Company
Domestic Mills located at:
Mitchell, IN (P240401)
Foreign Mills located at:
Canakkale, Turkey (P240403)

Buzzi Unicem USA, Inc.
Domestic Mills located at:
Greencastle, IN (P240501)
Cape Girardeau, MO (P240701)

Buzzi Unicem USA, Inc.
St. Louis, MO (P241101)

Roanoke Cement Company
Roanoke, VA (P242602)

Buzzi Unicem USA, Inc.
Chattanooga, TN (P242001)

Cemex/Kosmos
Domestic Mills located at:
* Kosmosdale, KY (P241801)
Neville Island, PA (P242301)
Cemex-**Knoxville, TN (P241001)
Cemex-Demopolis, AL (P240609)
Type I and Type II
Foreign Mills located at:
Kjopsvik, Norway (P242303)
Lima, Peru (P242304)
Milaki, Greece (P242302)
Pertigalete, Venezuela (P242305)
Volos, Greece (P242306)
Siam, Thailand (P242307)

*Experience has shown that Type I cement from this source may not be compatible with Dylex 1186 latex produced by Polysar Latex.

**Contains up to 1% processing addition.

Cemex
Fairborn, OH (P241301)

St. Mary's Cement Company
Detroit, MI (P240901)

PAVEMENT MARKING MATERIALS

CATEGORY I: HEAT APPLIED PREFORMED THERMOPLASTICS

The National Transportation Product Evaluation Program (NTPEP) has evaluated products contained on this list. To qualify for use in the state of Kentucky the products must maintain the following minimums on the Asphalt test decks:

1. White Retroreflectivity: 300-mcd/m²/lux minimum after 60 days and 200-mcd/m²/lux after 12 months.
2. Yellow Retroreflectivity: 200-mcd/m²/lux after 60 days
3. Color: The chromaticity coordinates reported for the evaluation period shall fall in the chromaticity boundaries described by the four corner points established by the coordinates adopted by ASTM D-6628 for each month they are reported.
4. Luminance: The reported Y Tristimulus Coordinate shall conform to requirements found in ASTM D-6628.

Products may be removed from this list for poor field performance in Kentucky regardless of the ratings obtained through NTPEP. All products will be removed from this list after five years unless they are submitted to NTPEP for reevaluation and meet the criteria detailed above. If you have questions regarding this list, contact the Chemical Section in the Division of Materials.

<u>Product Qualified</u>	<u>Manufacturer</u>	<u>Year</u>
Hot Tape – 7WV075SO	Zumar Industries 12015 Steele Street South P.O. Box 44549 Tacoma, WA 98444-0549 Phone No. (800) 426-7967	2002
Premark Flex-Plus	LKF, Inc. (Flint Trading) 111 Todd Court Thomasville, NC 27630 (336) 475-6600	2002
ThermaLine 125 mil White	Ennis Paint 373 Village Road Pennsdale, PA 17756 (570) 546-6041	2002

CATEGORY II: CONSTRUCTION ZONE TEMPORARY TAPES NONREMOVABLE (FOIL BACK) AND REMOVABLE MARKING TAPE

The National Transportation Product Evaluation Program (NTPEP) has evaluated products contained on this list. Contact the Chemical Section to be included on this listing. To qualify for use in the state of Kentucky the products must maintain the following minimums on both the Asphalt and Concrete test decks:

1. White Retroreflectivity: 350 mcd/lux/square meter average minimum
2. Yellow Retroreflectivity: 250 mcd/lux/square meter average minimum
3. Internal Tape Strength: During each month of evaluation the longitudinal stripes, retain a subjective rating from 1 to 5 when removed by hand without the use of heat, grinder, or other equipment.
4. Adhesive Bond Strength: During each month of evaluation, retain a subjective rating from 1 to 5 when removed by hand without the use of heat, grinder, or other equipment.
5. Color: The chromaticity coordinates reported for the evaluation period shall fall in the chromaticity boundaries described by the four corner points established by the coordinates adopted by ASTM D-6628 for each month they are reported.
6. Luminance: The reported Y Tristimulus Coordinate shall conform to requirements found in ASTM D-6628.

Products may be removed from this list for poor field performance in Kentucky regardless of the ratings obtained through NTPEP. All products will be removed from this list after five years unless they are submitted to NTPEP for reevaluation and meet the criteria detailed above.

MANUFACTURER	PRODUCT	QUALIFICATION DATE
3M Corporation 3M Center Building 235-3W-52 St. Paul, MN 55144 651.733.9923	WHITE	
	Schotchlane 750	April 2002
	Schotchlane 750-1-A	April 2002
	YELLOW	
	Schotchlane 751	April 2002
	Schotchlane 751-1-A	April 2002
	Scotchlane Series 621	Conditional Approval for Concrete Surface 2002.
Advance Traffic Markings P. O. Box H Roanoke Rapids, NC 27870 334.546.2699	WHITE	
	ATM 200 Series	Conditional Approval 2002
	YELLOW	
	ATM 200 Series	Conditional Approval 2002
Brite Line Industries 1024 Brewster Court Grafton, OH 44044 781.828.0228	WHITE	
	100 Series	Conditional Approval 2002
	YELLOW	
	100 Series	Conditional Approval 2002

Flex-O-Lite 2997 Clarkson Road Chesterfield, MO 63017 800.325.9525	WHITE FOL-400	Conditional Approval for Asphalt Surfaces Only 2002
	*FOL Construction Grade	Conditional Approval 2002
	*FOL Wet Reflective	Conditional Approval 2002
	YELLOW *FOL Construction Grade *FOL Wet Reflective	Conditional Approval 2002 Conditional Approval 2002
<hr/>		
Ennis Paint 373 Village Road Pennsdale, PA 17756 570.546.6041	WHITE LD971001T	Conditional Approval 2002
	YELLOW LD971001U	Conditional Approval 2002
<hr/>		
Swarco P. O. Box 89 Columbia, TN 38401	WHITE Director-2	Conditional Approval 2002
	*Swarolite Engineering Grade	Conditional Approval 2002
	YELLOW Director-2	Conditional Approval 2002
	*Swarolite Engineering Grade	Conditional Approval 2002
<hr/>		
Trelleborg Industry (USA) 22 Chandler Road Edison, NJ 08820 737.494.0723	WHITE RW-140	April 2002
	YELLOW RY-140	April 2002

Products contained on this list denoted with an asterisk (*) are foil back nonremovable tapes. Products contained on this list denoted as Conditionally Approved will remain on the list through December 31, 2002, if they perform acceptably in field applications. These products will be removed from the list January 1, 2003 and will not be accepted for project use after that date. Manufacturers of these products have been notified that continued inclusion of their products on this listing will depend on performance data obtained through the 2002 NTPEP Pennsylvania Test Deck.

CORRUGATED METAL PIPE

To be included on this approved list, manufacturers must comply with the requirements of Kentucky Method 64-115, "Approved Process for Manufacturers of Culvert Pipe", which may be found at <http://transportation.ky.gov/materials/>. Contact the Physical Section to be placed on this listing. Pipe produced by fabricators who are attempting to gain approved list status must be inspected, approved, and identified prior to shipments.

FABRICATORS OF CORRUGATED METAL PIPE

Contech Construction Products
200 Williams Avenue
Mitchell, IN 47446
Joe Behne or Paul Muth
812.849.3933
behnej@contech-cpi.com

Contech Construction Products
5726 Roberts Drive
Ashland, KY 41102
J.D. Griffith or Stephan Johnson
606.928.6404
griffithj@contech-cpi.com

Contech/Tellico Construction Products, Inc.
334 County Road 424
Englewood, TN 37329
Brooks Stakely
423.887.5444
stakelyb@contech-cpi.com

Hanson Pipe & Products, Inc.
2289 Holtson Road
Como, MS 38619
Don Powell
800.809.2205
Don.powell@hansonamerica.com

Lane Enterprises
P.O. Box 1146
Dublin, VA 24084
Lynnwood G. Will
540.674.4645
wwill@lane-enterprises.com

St. Regis Culvert, Inc.
1101 S. Kitley
Indianapolis, IN 46203
Chris Mooney
800.428.8030
st.regis@sbcglobal.net

Thompson Culvert Company
P.O. Box 1006
140 Airport Industrial Drive
Sikeston, MO 63801
Jerre W. Turner
573.471.6771
jerret@thompsonculvert.com

EPOXY COATING MATERIALS FOR REINFORCING STEEL

To be included on this list, materials shall meet the prequalification requirements of Annex AI of AASHTO M 284. Materials may be placed on this list based on prequalification testing by the Physical Section or by certified test data from a laboratory whose qualifications to perform such testing are acceptable.

Brand Name

Manufacturer

Greenbar

Valspar
13010 Finch Brook
Cypress, TX 77429
Michael P. Adams
281.370.6164
madams@valspar.com

Nap-Gard 7-2709
Nap-Gard 7-2719

Dupont Powder Coatings
9800 Genard Road
Houston, TX 77041
Kuruvila Varughese
713.996.4669
varughese@dupontpowder.com

SK 413

3M Corrosion Protection Products
1700 North Minnesota Street, PO Box 95
New Ulm, MN 56073-0095
Thomas G. Vaughan
512.984.5804
tgvaughan1@mmm.com

The materials on this list may be used for coating other types of steel reinforcement and dowel bars used in load transfer assemblies.

FERTILIZER

A commercial fertilizer complying with the Kentucky Fertilizer Law is acceptable. These products contain the plant nutrients of nitrogen, available phosphoric acid, and soluble potash as specified in the plans or proposal. Bagged fertilizer will display the following information on the bag or on a sticker or tag attached to the bag:

Net Weight
Brand and Grade
Guaranteed Analysis
Name and Address of Manufacturer

Bulk fertilizer (dry or liquid) shall be accompanied by a statement from the manufacturer which contains the same information required for the bagged fertilizer is also acceptable.

If the material received on the project is from a source that cannot provide evidence of compliance with the Kentucky Fertilizer Law, please contact the Division of Regulatory Services of the University of Kentucky Agricultural Experiment Station at 606.257.2785. This agency will have a current listing of all suppliers of registered materials. Sample any fertilizer that is not registered with the Division of Regulatory Services for testing and approval by the Division's Chemical Section prior to its use.

See the *Field Sampling and Testing Manual* for instructions on sampling procedures.

FLY ASH

Fly ash used in portland cement concrete shall conform to ASTM C 618 Class F or Class C except the loss on ignition shall not exceed 3.0 percent.

Fly ash suppliers are placed on the approved list based on evidence of a satisfactory past record and a satisfactory quality control program which will ensure that the fly ash delivered to the project will have uniform properties complying with the specifications. Contact the Concrete/Cement Section for information on obtaining approval for your product.

FLY ASH SOURCES

<u>Distributor Producer No.</u>	<u>Utility Name</u>	<u>Unit Station</u>	<u>Location</u>	<u>Class</u>	<u>Silo(s)</u>
IMI (P611908)	Ameren	Newton	Newton, IL	C	1,2
Headwaters Resources (P607302) a.k.a. ISG Resources, Inc.	American Electric Power	Mountaineer	New Haven, WV	F	2, 4
Headwaters Resources (P611903) a.k.a. ISG Resources, Inc.	American Electric Power	Clifty Creek	Madison, IN	C	13, 46
Headwaters Resources (P611906) a.k.a. ISG Resources, Inc.	Sikeston Municipal Utilities	Sikeston	Sikeston, MO	C	1
Fly Ash Direct (P611909)	Cinergy	Zimmer	Moscow, OH	F	1
Fly Ash Direct (P608401)	Cinergy	Miami Fort	North Bend, OH	F	7, 8
Fly Ash Direct (P000708)	Owensboro Municipal Utility	Elmer Smith	Owensboro, KY	F	2
Lafarge North America (P607701)	Indiana Michigan Power	Rockport	Rockport, IN	C	1, 2, 3, 4
Mineral Res. Tech., LLC (P611902)	Louisville Gas & Electric	Mill Creek	Louisville, KY	F	A, B
Mineral Res. Tech., LLC (P611907)	Louisville Gas & Electric	Trimble Co.	Bedford, KY	F	A, B
Mineral Res. Tech., LLC (P612501)	Electric Energy, Inc.	Joppa Power	Joppa, IL	C	5, 6, 7
Mineral Res. Tech., LLC (P612502)	Union Electric	Labadie	Labadie, MO	C	C, D

Mineral Res. Tech., LLC (P612503)	Ameren	Rush Island	Festus, MO	C	1, 2
Mineral Res. Tech., LLC (P611905)	Indianapolis Power & Light	Petersburg	Petersburg, IN	F	3, 4
Roanoke (P242603)	CP&L Electric	Roxboro	Roxboro, NC	F	3,
SEFA Group (P615701)	Tennessee Valley Authority	Cumberland	Cumberland City, TN	F	A, B

NON-SHRINK GROUT

In order for a non-shrink grout to be on the Approved List, it must meet the requirements of ASTM C 1090 and Section 601.06. Submit a 22.7 kg (50 lb) sample with complete product information to the Supervisor of the Concrete/Cement Section.

Grout Mixtures**Company and Address**

Interplast-N-Grout

Sika Chemical Corporation
201 Polito Avenue
PO Box 297
Lyndhurst, NJ 07071

Packaged Materials**Company and Address**

588 Grout

W R Meadows, Incorporated
PO Box 543
Elgin, IL 60121

Burke Non-Shrink Grout

The Burke Company
PO Box 35488
4504 Poplar Level Road
Louisville, KY 40232

Certi-Grout 1000

Vexcon Chemicals
7240 State Road
Philadelphia, PA 19135

Conset Grout

ChemMasters
300 Edwards Street
Madison, OH 44057

CRYSTEX	L & M Construction Chemicals 14851 Calhoun Road Omaha, NE 68152	Pea Gravel is NOT permitted
Conspec 100	Conspec 636 South 66th Terrace Kansas City, KS 66111	
Enduro 50	Conspec	
N.S. Grout	The Euclid Chemical Company 8302 Easton Lane Louisville, KY 40242	
Set Grout	Degussa 23700 Chagrin Blvd. Cleveland, OH 44122-5554	
TammsgROUT-Supreme	Tamms Industries 3835 State Route 72 Kirkland, IL 60146	
Sure Grip Utility Grout	Dayton Superior Corp. 402 South First Street Oregon, IL 61061	
Tamms Horn Grout	Tamms Industries 3835 State Route 72 Kirkland, IL 60146	
Pro-Grout 90	C.G.M., Inc. PO Box 413	

	Bensalem, PA 19020
Masterflow 928	Degussa 23700 Chagrin Blvd. Cleveland, OH 44122-5554
Sure Grout	Kaufman Products, Inc. 3811 Curtis Avenue Baltimore, MD 21226-1131
Unigrout	Universal Form Clamp Company 840 South 25 th Ave. Bellwood, IL 60109
Bonsal F77 Grout	Bonsal American 8201 Arrowridge Blvd. Charlotte, NC 28273
Non-Shrink High Strength Grout	Right Pointe Company 234 Harvestore Drive DeKalb, IL 60115

PREFORMED COMPRESSION JOINT SEAL DESIGNS

The following list of designs for preformed compression joint seals is approved for use in Kentucky. Each seal is designed for a particular size of joint as recommended by the manufacturer. Prospective new designs must be submitted to the Liquid Asphalt Section (including a sample of manufactured seal, product literature, and recommended joint size). The Division of Materials will coordinate an evaluation of the new design with other Divisions as necessary and, if a new design is acceptable, will add it to this list of approved designs. These listings of approved designs are subject to the quality criteria in Section 807.03.02 of the *Standard Specifications for Road and Bridge Construction*.

<u>Joint Size</u>		<u>Seal Identification</u>	<u>Nominal Width of Seal</u>	<u>Company</u>
6.35 mm (1/4")	1.	E-437	11.1 mm (7/16")	D.S. Brown Co.
	2.	WB-437	11.1 mm (7/16")	Watson Bowman ACME Co.
9.53 mm (3/8")	1.	E-562	14.3 mm (9/16")	D.S. Brown Co.
	2.	WB-687	17.5 mm (11/16")	Watson Bowman ACME Co.
19.05 mm (3/4")	1.	WJ-125	31.8 mm (1 1/4")	Watson Bowman ACME Co.
25.40 mm (1")	1.	H-1625	41.3 mm (1 5/8")	D.S. Brown Co.
	2.	WJ-162	41.3 mm (1 5/8")	Watson Bowman ACME Co.
	3.	W-150	38.1 mm (1 1/2")	TechStar, Inc.
31.75 mm (1 1/4")	1.	WJ-175	44.5 mm (1 3/4")	Watson Bowman ACME Co.
	2.	WA-175	44.5 mm (1 3/4")	Watson Bowman ACME Co.
38.10 mm (1 1/2")	1.	WA-200	50.8 mm (2")	Watson Bowman ACME Co.
	2.	W-200	50.8 mm (2")	TechStar, Inc.
	3.	WA-225	50.8 mm (2")	Watson Bowman ACME Co.
41.28 mm (1 5/8")	1.	WJ-225	56.2 mm (2 1/4")	Watson Bowman ACME Co.
44.45 mm (1 3/4")	1.	WJ-250	63.5 mm (2 1/2")	Watson Bowman ACME Co.
	2.	WA-250	63.5 mm (2 1/2")	Watson Bowman ACME Co.
47.63 mm (1 7/8")	1.	WJ-250	63.5 mm (2 1/2")	Watson Bowman ACME Co.

	2.	WA-250	63.5 mm (2 1/2")	Watson Bowman ACME Co.
50.80 mm (2")	1.	WA-300	76.2 mm (3")	Watson Bowman ACME Co.
	2.	WJ-300	76.2 mm (3")	Watson Bowman ACME Co.
	3.	W-300	76.2 mm (3")	TechStar, Inc.
57.15 mm (2 1/4")	1.	WA-350	88.9 mm (3 1/2")	Watson Bowman ACME Co.
	2.	WJ-350	88.9 mm (3 1/2")	Watson Bowman ACME Co.
63.50 mm (2 1/2")	1.	WA-400	101.6 mm (4")	Watson Bowman ACME Co.
	2.	WJ-400	101.6 mm (4")	Watson Bowman ACME Co.

MASONRY COATINGS

In order for a masonry coating to be placed on the approved list, it must be one which will hide form marks, patches, and other minor irregularities and which will prevent deterioration, spalling, and other damage to the concrete due to the action of the weather and deicing chemicals. The material shall be one that is readily recognizable by its name, trademark, container, or other feature. The material shall be one which is accompanied by brochures or booklets containing detailed instructions and explanatory remarks about surface preparations, application procedures, and other pertinent operations. Additionally, materials to be placed on or remain on the approved listing will be required to meet testing criteria established by the Division to ensure their durability. These tests shall include: (1) resistance to freezing and thawing; (2) resistance to accelerated weathering; (3) resistance to salt spray and; (4) resistance to fungus attack. These requirements are outlined in Section 828 of the Kentucky Standard Specifications for Road and Bridge Construction.

Contact the Concrete/Cement Section for information on obtaining approval for your product.

The Department will continue to include the masonry coatings on the list contingent upon receiving an annual certification containing the following information:

- 1) A statement that the masonry coating to be furnished during the particular calendar year is of the same composition as that previously approved for inclusion on the approved list.
- 2) A statement that the masonry coating conforms to the appropriate requirements of the Kentucky Standard Specifications for Road and Bridge Construction.
- 3) A statement that notification will be made to the Division of Materials of any changes in composition for review and approval before furnishing the material to projects.

MASONRY COATINGS

<u>Brand Name</u>	<u>Color</u>	<u>Manufacturer</u>
TCA Bridge-Cote Spray On	Concrete Gray	Textured Coatings of America, Inc.
TCA Bridge-Cote Roll On	Concrete Gray	Textured Coatings of America, Inc.
XL-70 Bridge-Cote Roll on or Spray	Concrete Gray	Textured Coatings of America, Inc.
XL-70C Bridge-Cote	Concrete Gray	Textured Coatings of America, Inc.
AM-Tex	Bridge Gray	Lowery Chemicals, Inc.
Thorseal	Pearl Gray	Thoro System Products, Inc.
Triko-Plex	Proko Gray	Proko Industries, Inc.
Onatex	Gray-36595	W.R. Meadows Co.
PermaCoat	Concrete Gray	CONSPEC
PermaCoat	Concrete Gray	Dayton-Superior

PermaCoat	Concrete Gray	Symons Corp.
Seal Coat 1000	Concrete Gray	Dayton-Superior
Prestonshield 1200 (Fine Texture)	Concrete Gray	Preston Pacific Corp.
Tamoseal	Sand Finish Oyster Gray	Tamms Industries
Tammscoat	1416	Tamms Industries
Tex-Cote 300 Bridge-Cote		Textured Coatings of America, Inc.
TextureDOT	Concrete Gray	ChemMasters
Thorocoat DOT	Concrete Gray	ChemRex, Inc.

BRIDGE COATINGS

To be placed on the Approved list, the coatings manufacturer follows the coating systems submittal process outlined as either Category I or Category II. Cost and submission protocols may be obtained from:

KYTC Division of Materials
Chemical Section
1227 Wilkinson Boulevard
Frankfort KY 40601
(502) 564-3160

Category I Submission Process:

Coatings systems shall be evaluated for performance through the National Transportation Product Evaluation Program (NTPEP) for Structural Steel Coatings. Submission of products through AASHTO/NTPEP is a continuous process. Manufacturers may submit systems at any time.

Category II Submission Process:

Coatings systems shall be evaluated for performance through the University of Kentucky Transportation Center (UKTC). Manufacturers may submit systems at any time.

Approval Process:

After completion of the performance testing and laboratory evaluation, a coatings system may be given provisional status if it meets the minimum established performance criteria. Additionally the Manufacturer will be required to submit samples of a provisionally approved system to the Department for verification of physical and chemical testing and to establish 'baseline' values for each product of the coatings system prior to supplying projects in Kentucky. Further, the Department may elect to perform additional performance testing on random samples of coatings systems supplied to Kentucky projects.

Class I Coatings systems submitted through Category I, utilizing zinc rich primers that meet the minimum performance acceptance criteria established by the Department. Class I coatings systems are acceptable for use as fabrication shop applied primers to steel surfaces prepared by abrasive blasting to a minimum of a Society for Protective Coatings (SSPC) SP-10, Near White Metal Blast with fabrication shop applied or field applied intermediates and/or finish coats.

<i>Type I</i>	Three coat system using an epoxy based organic zinc rich primer
<i>Type II</i>	Three coat system using a urethane based organic zinc rich primer
<i>Type III</i>	Two coat system using an epoxy based organic zinc rich primer
<i>Type IV</i>	Two coat system using a urethane based organic zinc rich primer
<i>Type V</i>	Three coat system using an inorganic zinc rich primer
<i>Type VI</i>	Two coat system using an inorganic zinc rich primer

Class II Coatings systems submitted through either Category I or Category II, utilizing zinc rich primers that meet the minimum performance acceptance criteria established by the Department. Coatings systems submitted through Category I meeting the established acceptance criteria for Class I, Types I

through IV without regard to Slip Coefficient shall be acceptable as Class II coatings systems. Class II coatings systems are acceptable for use as field applied zinc rich primers to steel surfaces prepared by abrasive blasting.

<i>Type I</i>	Three coat system using an epoxy based organic zinc rich primer
<i>Type II</i>	Three coat system using a urethane based organic zinc rich primer
<i>Type III</i>	Two coat system using an epoxy based organic zinc rich primer
<i>Type IV</i>	Two coat system using a urethane based organic zinc rich primer

Class III Coatings systems submitted through Category I, utilizing non-zinc rich primers that meet the acceptance criteria established by the Department. Class III coatings systems are acceptable for use as field applied coating systems to steel surfaces prepared by abrasive blasting.

<i>Type I</i>	Three coat system using an epoxy based primer
<i>Type II</i>	Three coat system using a urethane based primer
<i>Type III</i>	Three coat system using an acrylic based primer
<i>Type IV</i>	Two coat system using an epoxy based primer
<i>Type V</i>	Two coat system using a urethane based primer
<i>Type VI</i>	Two coat system using an acrylic based primer
<i>Type VII</i>	Two coat system using a long-oil alkyd based primer
<i>Type VIII</i>	Single coat system using a long-oil alkyd

Class IV Coatings systems submitted through Category II, utilizing non-zinc rich primers that meet the acceptance criteria established by the Department. Class IV coatings systems are acceptable for use as field applied coating systems to steel surfaces prepared by means other than abrasive blasting.

<i>Type I</i>	Three coat system using an epoxy based primer
<i>Type II</i>	Three coat system using a urethane based primer
<i>Type III</i>	Three coat system using an acrylic based primer
<i>Type IV</i>	Two coat system using an epoxy based primer
<i>Type V</i>	Two coat system using a urethane based primer
<i>Type VI</i>	Two coat system using an acrylic based primer
<i>Type VII</i>	Two coat system using a long-oil alkyd based primer
<i>Type VIII</i>	Single coat system using a long-oil alkyd

Class V Coatings systems submitted through Category II, utilizing innovative technologies not defined in Classes I through IV that meet the acceptance criteria established by the Department. Acceptable use of Class V coatings systems will be detailed through project specific special notes.

Performance Criteria:

Each of the following tables defines the acceptable performance criteria for the designated class and type of coatings system. For each performance parameter, a minimum of two of the three evaluated specimen panels shall meet or exceed the stated acceptable performance criteria.

Class I, Types I through IV

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Adhesion		
	Primer to Substrate	1000 PSI Minimum
	System to Substrate	1000 PSI Minimum
Thermal Cycling		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	750 PSI Minimum
Cyclic Weathering		
5000 Hours Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10
Salt Fog		
5000 Hours Exposure	Rust Creep	3mm Maximum*
	Blistering	10
	Field Rusting	10
Slip Coefficient		Class B Minimum
Atmospheric Weathering		
2 Years Exposure	Rust Creep	3mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class I, Types V and VI

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Adhesion		
	Primer to Substrate	1000 PSI Minimum
	System to Substrate	1000 PSI Minimum
Thermal Cycling		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	750 PSI Minimum
Cyclic Weathering		
5000 Hours Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10
Salt Fog		
5000 Hours Exposure	Rust Creep	3mm Average*
	Blistering	10
	Field Rusting	10
Slip Coefficient		Class B Minimum

Atmospheric Weathering		
2 Years Exposure	Rust Creep	3mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class II, Types I through IV

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Accelerated Performance		
5000 Hours Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class III, Types I through VI

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Adhesion		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	500 PSI Minimum
Thermal Cycling		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	500 PSI Minimum
Cyclic Weathering		
5000 Hours Exposure	Rust Creep	15mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10
Salt Fog		
5000 Hours Exposure	Rust Creep	5mm Average*
	Blistering	10
	Field Rusting	10
Atmospheric Weathering		
2 Years Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class III, Types VII and VIII

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Adhesion		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	500 PSI Minimum
Thermal Cycling		
	Primer to Substrate	750 PSI Minimum
	System to Substrate	500 PSI Minimum
Cyclic Weathering		
5000 Hours Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10
Salt Fog		
5000 Hours Exposure	Rust Creep	3mm Average*
	Blistering	10
	Field Rusting	10
Atmospheric Weathering		
2 Years Exposure	Rust Creep	3mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class IV, Types I through VI

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Accelerated Performance		
5000 Hours Exposure	Rust Creep	15mm Average*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

Class IV, Types VII and VIII

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Accelerated Performance		
5000 Hours Exposure	Rust Creep	5mm Average*
	Color Retention	Report*
	Blistering	10
	Field Rusting	10

Class V

<i>Performance Test</i>	<i>Performance Parameter</i>	<i>Performance Criteria</i>
Accelerated Performance		
5000 Hours Exposure	Rust Creep	*
	Color Retention	Report*
	Gloss Retention	Report*
	Blistering	10
	Field Rusting	10

* Values are assigned as target values and are subject to change pending accelerated weathering performance of submitted systems with known field performance characteristics within Kentucky.

Analytical Criteria

Target analytical values will be established through testing performed on samples of systems applied for performance evaluation. The following table outlines analytical tests to be performed as applicable and acceptable tolerance ranges.

<i>Analytical Test</i>	<i>Specification Acceptance</i>
Density	Target Value \pm 0.25 lbs/gal
Viscosity	Target Value \pm 5 KU
Weight Solids	Target Value \pm 2.0%
Volume Solids	Target Value \pm 2.0%
Pigment	Target Value \pm 2.0%
Metallic Pigment Content	Target Value \pm 2.0%
Volatile Organic Compounds	450 g/L Maximum Through 12/05*
Color	2.0 • E Maximum
Contrast	10.0 • E Minimum
Gloss	Target Value \pm 5 Gloss Units
Sag Resistance	Target Value \pm 10%
Drying Schedule	Target Value \pm 10%
Pot Life	Target Value \pm 10%
Resin Content	Target Value \pm 0.5%
Hindered Amine Light Stabilizer	**
Infrared Analysis	**
Gas Chromatography Analysis	**
Heavy Metals Content	***

* The Department will evaluate coatings having a volatile organic compound content of 450 g/L maximum through December 2005.

* *Acceptable tolerance values will be established pending completion of precision and bias statements.

** *Acceptable heavy metals content shall be determined through regulatory compliance.

Full approval status may be granted upon completion of the 24-month atmospheric exposure testing through NTPEP and evaluation of the products on Kentucky Bridge painting projects resulting in acceptable performance of the coatings system.

Continued approval status will be dependent on:

- 1) **Verification of Chemical and Physical properties of the coatings.** Properties will be verified by batch and shipment sampling and testing of products delivered for use on projects in Kentucky.
- 2) **Field performance evaluations on Kentucky Bridge Painting Projects.** Performance will be evaluated by random inspections of coating conditions on painting projects by the Divisions of Maintenance, Materials and Construction. Evaluations will include Contractors evaluation of application properties.

Removal Process:

The manufacturer shall be notified in writing of each rejection of each product supplied to Kentucky projects. Rejection criteria are outlined in the Kentucky Transportation Cabinet Standard Specifications for Road and Bridge Construction. Rejection of three lots of a product in a single season shall result in removal of each coatings system containing the product from Provisional or Full Approval Status. Additionally, failure of a coatings system to provide a durable product in the field shall result in removal of the coatings system from Provisional or Full Approval Status. Coatings systems removed from Provisional or Full Approval Status shall not be eligible for re-submission for one calendar year from the date of removal.

Coatings Systems With Provisional Approval Status:

Class I Type I

Manufacturer	Coating System	Approval Date
Carboline Company	<u>Prime:</u> Carbozinc 859 <u>Intermediate:</u> Carboguard 888 <u>Finish:</u> Carbothane 133HB	September 2004
PPG Industries	<u>Prime:</u> Aquapon 97-670 <u>Intermediate:</u> Pitt-Guard 97-946 <u>Finish:</u> Pitt-Thane 95-8800	September 2004

Class I Type II

Manufacturer	Coating System	Approval Date
Sherwin Williams Company	<u>Prime:</u> B65G11 Corothane I GalvaPac <u>Intermediate:</u> B65A11 Corothane I IronOx B <u>Finish:</u> B65A55 Corothane I IronOx A	September 2004

Wasser High Tech Coatings	<u>Prime:</u> MC-Zinc 2.8 <u>Intermediate:</u> MC-Ferrox B 2.8 <u>Finish:</u> MC-Ferrox A 2.8	September 2004
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Class I Type IV

Manufacturer	Coating System	Approval Date
Sherwin Williams Company	<u>Prime:</u> B65G11 Corothane I GalvaPac <u>Intermediate:</u> <u>Finish:</u> B65-950 Fast Clad Urethane	September 2004

Class I Type V

Manufacturer	Coating System	Approval Date
Carboline Company	<u>Prime:</u> Carbozinc 11HS <u>Intermediate:</u> Carboguard 893 <u>Finish:</u> Carbothane 133HB	September 2004
Sherwin Williams Company	<u>Prime:</u> B69VZ19 Zinc Clad II LV <u>Intermediate:</u> B58-600 Macropoxy 646 <u>Finish:</u> B65-650 Acrolon 218HS	November 2004
Sherwin Williams Company	<u>Prime:</u> B69VZ12 Zinc Clad II Plus <u>Intermediate:</u> B58-600 Macropoxy 646 <u>Finish:</u> B65-650 Acrolon 218HS	November 2004

Class II Type I

Manufacturer	Coating System	Approval Date
Carboline Company	<u>Prime:</u> Carbonize 859 <u>Intermediate:</u> Carboguard 888 <u>Finish:</u> Carbothane 133HB	September 2004
PPG Industries	<u>Prime:</u> Aquapon 97-670 <u>Intermediate:</u> Pitt-Guard 97-946 <u>Finish:</u> Pitt-Thane 95-8800	September 2004
Sherwin Williams Company	<u>Prime:</u> B69A100 Zinc Clad IIIHS <u>Intermediate:</u> B58-600 Macropoxy 646 <u>Finish:</u> B65-650 Acrolon 218HS	September 2004

Class II Type II

Manufacturer	Coating System	Approval Date
Environmental Protective Coatings	<u>Prime:</u> EZ-2800 MCU Zinc <u>Intermediate:</u> E-401 MCU Red	December 2003

	Aluminum <u>Finish:</u> E-600 Acrylic Aliphatic Urethane	
Environmental Protective Coatings	<u>Prime:</u> EZ-2800 2K MCU Zinc <u>Intermediate:</u> E-401 MCU Red Aluminum <u>Finish:</u> E-600 Acrylic Aliphatic Urethane	September 2004
Sherwin Williams Company	<u>Prime:</u> B65G10 Corothane I GalvaPac <u>Intermediate:</u> B65GSW15 MCU Green Aluminum <u>Finish:</u> B65WW1000 Acrylic Aliphatic Urethane	December 2003
Sherwin Williams Company	<u>Prime:</u> B65G11 Corothane I GalvaPac <u>Intermediate:</u> B65A11 Corothane I IronOx B <u>Finish:</u> B65A55 Corothane I IronOx A	September 2004
Town and Ranch	<u>Prime:</u> Checkrust Zinc-X <u>Intermediate:</u> Checkrust Insl-Tile <u>Finish:</u> Insl-Tron 2K Acrylic Aliphatic Polyurethane	September 2004
Wasser High-Tech Coatings	<u>Prime:</u> MC-Zinc 2.8 <u>Intermediate:</u> MC-Ferrox B 2.8 <u>Finish:</u> MC-Ferrox A 2.8	September 2004

Class II Type IV

Manufacturer	Coating System	Approval Date
Sherwin Williams Company	<u>Prime:</u> B65G11 Corothane I GalvaPac <u>Intermediate:</u> <u>Finish:</u> B65-950 Fast Clad Urethane	September 2004

Class IV Type II

Environmental Protective Coatings	<u>Prime:</u> E-400 MCU Aluminum <u>Intermediate:</u> E-401 MCU Red Aluminum <u>Finish:</u> E-600 Acrylic Aliphatic Urethane	December 2003

Sherwin Williams Company	<u>Prime:</u> B65SW15 MCU Aluminum <u>Intermediate:</u> B65GSW15 MCU Green Aluminum <u>Finish:</u> B65WW1000 Acrylic Aliphatic Urethane	December 2003
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RAISED PAVEMENT MARKERS

To be included on this approved list, markers must have been evaluated on the National Transportation Product Evaluation Program (NTPEP) test deck for Raised Pavement Markers.

Type	Trade Name	Manufacturer
IV *Replacement Lens for Type V Casting	Stimsonite Model 944	Ennis Paints, Inc. Stimsonite Division 6565 W. Howard St. Niles, IL 60714
	Avery Dennison Model C40 ⁽¹⁾	Ennis Paints, Inc. Stimsonite Division 6565 W. Howard St. Niles, IL 60714
	Ray-O-Lite 2004	Pac-Tec, Inc. Ray-O-Lite Division 1010 Brice St. Newark, OH 43055 800.848.7025
	3M 190 Series	3M corporation Traffic Control Materials Division 3M Center, Bldg 235-3W-52 St. Paul, MN 55144-1000 800.553.1380
IVA *Surface Mounted Reflector	Stimsonite 948	Ennis Paints, Inc. Stimsonite Division 6565 W. Howard St. Niles, IL 60714
	Ray-O-Lite 2002	Pac-Tec, Inc. Ray-O-Lite Division 1010 Brice St. Newark, OH 43055 800.848.7025
V	Stimsonite 101	Ennis Paints, Inc. Stimsonite Division 6565 W. Howard St. Niles, IL 60714
	Hallen H1010 HP	Hallen Products, Ltd. 847.662.6868
	Snowlite 100 ⁽²⁾	Pac-Tec, Inc.

Ray-O-Lite Division
1010 Brice St.
Newark, OH 43055
800.848.7025

Nightline B400⁽²⁾

Nightline Markers, Inc.
1030 Seaview Court
Schaumburg, IL 60193
847.301.7560

(1) Provisional approval of this replacement lens is contingent upon:

- a. Successful field performance of this model installed in Kentucky.
- b. Installation and acceptable performance on the next available NTPEP Snowplowable Test Deck.

(2) These additions are based on 1 year NTPEP data from the Maryland Test Deck and are contingent upon:

- a. Continued acceptable performance on the NTPEP Test Deck as reflected in the 2-year test data.

Successful field performance for any of these models installed in Kentucky as a result of the conditional approval.

SLOTTED DRAIN PIPE

To be included on this approved list, manufacturers must comply with the requirements of Kentucky Method 64-115, "Approved Process for Manufacturers of Culvert Pipe", which may be found at <http://transportation.ky.gov/materials/>. Manufacturers must also comply with the Standard Specifications and provide grate openings as specified in the Plans. Contact the Physical Section to be placed on this listing. Pipe produced by fabricators who are attempting to gain approved list status must be inspected, approved and identified prior to shipments.

FABRICATORS OF SLOTTED DRAIN PIPE

Contech Construction Products
200 Williams Avenue
Mitchell, IN 47446
Joe Behne or Paul Muth
812.849.3933
behnej@contech-cpi.com

Contech/Tellico Construction Products, Inc.
334 County Road 424
Englewood, TN 37329
Brooks Stakley
423.887.5444
stakelyb@contech-cpi.com

Hanson Pipe & Products, Inc.
2289 Holston Road
Como, MS 38619
Don Powell
800.809.2205
don.powell@hansonamerica.com

Lane Enterprises
P.O. Box 1146
Dublin, VA 24084
Lynnwood G. Will
540.674.4645
wwill@lane-enterprises.com

St. Regis Culvert, Inc.
1101 S. Kitely
Indianapolis, IN 46203
Chris Mooney
800.428.8030
st.regis@sbcglobal.net

Thompson Culvert Company
P.O. Box 1006
140 Airport Industrial Drive
Sikeston, MO 63801
Jerre W. Turner
573.471.6771
jerret@thompsonculvert.com

STYRENE BUTADIENE LATEX MODIFIERS FOR CONCRETE BRIDGE DECKS

Latex admixtures used in bridge deck overlays must be selected from a list of prequalified products. Presently, this list consists of three brands of latex. The manufacturers and their products are:

Manufacturer

Dow Chemical Company
BASF
Reichhold Chemicals, Incorporated

Latex Admixtures

Dow Modifier A
Styrotan 1186 (See Note 1)
Tylac 97-314

Each batch of latex shipped to a project shall be accompanied by a manufacturers certification and test report containing each of the following acceptance criteria. This documentation must be approved by the Resident Engineer prior to use of the emulsion. Acceptability is based upon indication that the batch is similar to the prequalified emulsion. Acceptance criteria for each specific emulsion is provided below:

DOW DPS MODIFIER A

Certification Test

Acceptance Criteria for Subject Emulsion

Weight Percent Solids

46 to 53 percent

Fingerprint of Latex Emulsion

Must be essentially identical to the prequalified latex (See Note 2)

Fingerprint of Alcohol Solubles

Must be essentially identical to the prequalified latex (See Note 2)

Mean Particle Size

1,900 to 2,200 A

ph

9.4 to 11.4

Viscosity at 10 r.p.m.

0 to 0.04 Pa s (0 to 40 centipoise)

Surface Tension

+ 0.005 N/m (+ 5 dynes/cm) of surface tension reported on manufacturers certification.

Percent Coagulum

Less than or equal to 0.10 percent

Freeze-Thaw Stability

Less than or equal to 0.10 percent coagulum

Percent Butadiene

30 to 40 percent

BASF STYROFAN 1186

Certification Test

Acceptance Criteria for Subject Emulsion

Weight Percent Solids

46 to 53 percent

Fingerprint of Latex Emulsion	Must be essentially identical to the prequalified latex (See Note 2)
Fingerprint of Alcohol Solubles	Must be essentially identical to the prequalified latex (See Note 2)
Mean Particle Size	1,734 to 2,334 Å
ph	8.5 to 10.5
Viscosity at 10 r.p.m.	0.006 to 0.046 Pa s (6 to 46 centipoise)
Surface Tension	+ 0.005 N/m (+ 5 dynes/cm) of surface tension reported on manufacturers certification.
Percent Coagulum	Less than or equal to 0.10 percent
Freeze-Thaw Stability	Less than or equal to 0.10 percent coagulum
Percent Butadiene	30 to 40 percent

REICHHOLD TYLAC 97-314

Certification Test

Weight Percent Solids

Fingerprint of Latex Emulsion

Fingerprint of Alcohol Solubles

Mean Particle Size

ph

Viscosity at 10 r.p.m.

Surface Tension

Percent Coagulum

Freeze-Thaw Stability

Percent Butadiene

Acceptance Criteria for Subject Emulsion

46 to 53 percent

Must be essentially identical to the prequalified latex (See Note 2)

Must be essentially identical to the prequalified latex (See Note 2)

1,455 to 2,055 Å

9.6 to 11.6

0.006 to 0.046 Pa s (6 to 46 centipoise)

+ 0.005 N/m (+ 5 dynes/cm) of surface tension reported on manufacturers certification.

Less than or equal to 0.10 percent

Less than or equal to 0.10 percent coagulum

30 to 40 percent

The certification statement shall state that the tests were performed in accordance with the certification procedures given in Report FHWA-RD-78-35, "Styrene-Butadiene Latex Modifiers for Bridge Deck Overlay Concrete," April 1978 or a statement indicating the batch is similar to the latex prequalified in Report No. FHWA-RD-78-35.

Surface Tension shall not exceed 0.05 N/m (50 dynes/cm).

Although sampling of the material prior to use is not required, a 1 liter sample shall be taken from each mobile load and submitted to our laboratory for testing. The primary purpose of this testing is to monitor the percent solids to insure that the latex has not been diluted.

The procedure for approval and placement of other styrene-butadiene latex admixtures on the approval list is contained in Section VI of the FHWA-RD-78-35. The testing must be performed by an approved independent laboratory. Contact the Chemical Section for placement on the approved list.

NOTE: Experience has shown that this latex may not be compatible with Kosmos Cement, Type 1.

NOTE: The IR spectra (fingerprints) of the prequalified and subject batch are on file at the manufacturer. A check mark (X) or essentially identical will suffice as test data.

BOND BREAKERS FOR DOWEL BARS IN LOAD TRANSFER ASSEMBLIES

To be included on this approved list the material supplier or manufacturer must submit satisfactory test results by an approved independent laboratory to the Physical Section. The material must be tested in accordance with AASHTO T 253. The maximum pull-out load shall not exceed 2500 lbs.

1. Approved "Shop Applied" Bond Breakers

<u>Product</u>	<u>* Color</u>
Tectyl 164 (non-diluted)	Black
Tectyl 506	Any distinguishable color
Emultec Industrial Products Carrolton, TX Leo Pendel, 972.417.1288	
Quick Drying Asphaltum Sherwin-Williams Co. 300 Sycamore Street, Suite 28 Elizabethtown, KY 42701 Brian Black, 270.769.3351	Black

2. Approved "Field Applied" Bond Breaker

Product Name	* Color	Normal Application Method	Manufacturer
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There are no approved field applied bond breakers at this time.

- * The coating material shall be a color that readily indicates that the dowel is coated with a bond breaking material.

- Any assemblies which are not covered with concrete within 6 months of the date of delivery for "Shop Applied" or within 6 months of the date of application for "Field Applied" shall be resampled two or three weeks prior to date of anticipated use for the purpose of rechecking the pull-out test. Assemblies awaiting retest shall not be used until the Division has been provided satisfactory test results by an approved independent laboratory.

WELDING QUALIFICATION TESTING

To be included on this approved list an acceptable inspection of the welding instructor methods and related equipment must be performed by the Physical Section followed by visual observations of submitted samples until deemed satisfactory. Compliance with Kentucky Methods 103, 108, and/or 110 is required.

Ashland State Vocational Technical School
4818 Roberts Drive
Ashland, KY 41101
Fred Burton, Billy Damron - Welding Instructors
Phone: 606.928.6427

Associated Steel Fabricators of Ky.
Iron Workers Local No. 70
2441 Crittenden Drive
Louisville, KY 40217
John Joseph – Instructor
Phone: 502.634.3348
Fax: 502.637.4374

Ballard County Career & Technical Center
11 Vocational School Road
Barlow, KY 42024
Ken Chattalier – Instructor
Phone: 270.665.8400
Fax: 270.665.5006

Bardstown (Nelson Co.) Vocational School
1060 Bloomfield Road
Bardstown, KY 40004
Joe Grider - Instructor
Phone: 502.348.9096x216

Barren County Area Vocational Education Center
491 Trojan Trail
Glasgow, KY 42141
Barry C. Jackson - Instructor
Phone: 270.651.2196

Belfry Area Technology Center
Box 280
Belfry, KY 41514
Mike Scott – Welding Instructor
Phone: 606.353.4951

Blackburn Education Department

3111 Spurr Road
Lexington, KY 40511-9000
Joseph Glenn Borders, William Skinner - Welding Instructors
Phone: 859.246.2366

Bowling Green Technical College
1845 Loop Drive
Bowling Green, KY 42101
Rick Dockery - Instructor
Steve Hatcher - Instructor
Phone: 270.746.7461x2144

Boone County Area Technology Center
3320 Cougar Path
Hebron, KY 41048
Douglas Runion, Welding Instructor
Phone: 859.689.7855

Brotherhood of Carpenters
4017 Dixie Highway
Louisville, KY 40216
Hope Harp, Welding Instructor
Phone: 502.448.3850
Fax: 502.447.3057

Carpenters' Training Center
718 Enterprise Street
Cape Girardeau, MO 63703
William Parkhurst – Welding Instructor
Phone: 800.300.1886
Fax: 573.335.6207

Carter County Area Vocational School
15 Grahn Road, Route 60
Olive Hill, KY 41164
Randall Wheeler, Welding Instructor
Phone: 606.286.4022

Central Kentucky Technical College
59 Corporate Drive
Danville, KY 40422
Bobby Coffee, Instructor
Phone: 859.239.7030x5146
Fax: 859.239.7710

Central Kentucky Technical College

308 Vo-Tech Drive
Lexington, KY 40511
Alan Mattox - Welding Instructor
Phone: 859.246.2400x2371

Certified Welding Technologies & Consultants Incorporated
4602 Hampton Ct.
Jeffersonville, IN 47130
Jerald West, Welding Instructor
Phone: 502.396.8686

Charles E. McCormick Area Technology Center
50 Orchard Lane
Alexandria, KY 41001
Charles Germann, Instructor
Phone: 859.635.4101
Fax: 859.635.2766

Clark Co. Area Technology Center
650 Boone Avenue
Winchester, KY 40391
Duran Bardley – Welding Instructor (Day)
Phone: 859.744.1250

Clay County Area Tech Center
1097 N. Hwy 11
Manchester, KY 40962
Anthony Young, Instructor
Phone: 606.598.2194

Collins & Associates Technical Services Inc. (CATSI)
7991 Ohio River Rd PO Box 263
Wheelersburg, Ohio 45694
Instructors: Joseph Klapp & Richard Dennis
Phone: 740.574.8417 Fax: 740.574.2640

Corbin Area Technology Center - Kentucky Technical Center
1909 South Snyder Avenue
Corbin, KY 40701
Warren Shelton - Welding Instructor
Phone: 606.528.5338

Elizabethtown State Vocational Technical School
505 University Drive
Elizabethtown, KY 42701
Jared Spaulding - Welding Instructor
Phone: 270.766.5133
Franklin County Area Vocational Education Center

1106 East Main Street
Frankfort, KY 40601
Randy Shewmaker - Welding Instructor
Phone: 502.695.6790

Fisher Engineering Co. (formerly Gladstone Labs)
8220 Expansion Way
Dayton, OH 45424
Glenn Fisher
Phone: 513.921.6700/888.807.8906

Foster Meade Community Technical College
P.O Box 130
Highway 10 West
Vanceburg, KY 41179
Doug Enix - Welding Instructor
Phone: 606.796.6106
Fax: 606.796.9739

Garrard County Area Technology Center
306 W. Maple Avenue
Lancaster, KY 40444
Tim Pinson - Welding Instructor
Phone: 859.792.2144

Gateway Technical College
1025 Amsterdam Road
Covington, KY 41011
Michael Loman - Welding Instructor
Principal - Ed Burton Phone: 859.292.3930
Reg. Director - Jack Corwin Phone: 859.292.2760

Green County Area Technology Center
102 Carlisle Ave.
Greensburg, KY 42743
Brandon Bardin, Instructor
Phone: 270.932.4263
Fax: 270.932.3072

H C Nutting Company
611 Luken Park Drive
Cincinnati, OH 45226
Chris Dumford, Uwe Aschmeier, Jason Sanders – Welding Instructors
Phone: 513.321.5816
Fax: 513.321.0294

Hanson Testing and Engineering Incorporated

2731 Eastside Park Drive
Evansville, IN 47715
Phone: 812.477.8981

Hayes Testing Laboratories
2521 Holloway Rd.
Louisville, KY 40299
Phone: 502.266.9729
Fax: 502.266.7577

Hazard Technical College
101 Vo - Tech Drive
Hazard, KY 41701
Craig Herold - Welding Instructor
Phone: 606.435.6101

Iron Workers Local 44
4850 Madison Rd.
Cincinnati, OH 45227
Mike Melzer - Welding Instructor
Mike Thompson – Welding Instructor
Russ Durham – Welding Instructor
Phone: 513.561.3590

Iron Workers Local 70
2441 Crittenden Drive
Louisville, KY 40217
John Joseph – Welding Instructor
Phone: 502.637.8796
Fax: 502.637.4374

Iron Workers Local 103
1430 Harmony Way
Evansville, IN 47712
Kevin Murray - Welding Instructor
Phone: 812.477.5317

Iron Workers Local 769
12010 Virginia Boulevard
Ashland, KY 41102
Kevin Libby – Welding Instructor
Phone: 606.929.9656
Fax: 606.929.5288

Iron Workers Local 782

2424 Cairo Road
Paducah, KY 42001
Greg Fondaw – Weld Instructor
Phone: 270.415.0305

J.D. Patton Vocational School
3234 Turkey Foot Rd.
Edgewood, KY 41017
Steve Rottman - Welding Instructor
Phone: 859.341.2266

Jefferson Community and Technical College
727 West Chestnut Street
Louisville, KY 40203-2036
Todd Hatfield - Day Welding Instructor
Joseph Craft - Night Welding Instructor
Phone: 502.213.4171
Fax: 502.213.4500

Kentucky Tech - Carroll Co. Area Center
1704 Highland Avenue
Carrollton, KY 41008
David Coghill - Welding Instructor (Day)
Jeff Hoover - Welding Instructor (Night)
Phone: 502.732.4479
Fax: 502.732.4837

Kentucky Tech - Clinton County Area Technology Center
Route 4, Box 40
Albany, KY 42602
Jesse Burchett - Welding Instructor
Phone: 606.387.6448
Fax: 606.387.4035

Kentucky Tech - Harrodsburg ATC Center
661 Tapp Road
Harrodsburg, KY 40330
Christopher King - Welding Instructor
Phone: 859.734.9329
Fax: 859.734.3613

Kentucky Tech - Harrison County Area Technology Center
551 Webster Avenue
Cynthiana, Kentucky 41031
Joe Pawley - Welding Instructor
Phone: 859.234.5286

Kentucky Technical Education Center - Knox County Campus

210 Wall Street
Barbourville, KY 40906
Monty Bingham - Welding Instructor
Phone: 606.546.5320
Fax: 606.546.3818

Kentucky Tech - Laurel County
235 South Laurel Rd.
London, KY 40744
James Meadors - Welding Instructor (Day)
David Gilliam, Dean of Instruction
Phone: 606.864.7311x14767
Fax: 606.878.9381

Kentucky Technical Center - Mayfield Campus
710 Douthitt Street
Mayfield, KY 42066
Charles Price - Welding Instructor
Phone: 270.247.4710
Fax: 270.247.4710

Kentucky Technical - Paducah Area Vocational Center
2400 Adams Street
Paducah, KY 42001
Virgil Holland- Welding Instructor
Phone: 270.443.6592
Fax: 270.442.6233

Lake Cumberland Youth Development Center
Rt 4, Box 245
Monticello, KY 42633
Danny Roberts - Welding Instructor
Phone: 606.348.8811

Lee County Area Vocational School
PO Box B
Beattyville, KY 41311
A.J.Combs - Welding Instructors
Phone: 606.464.5018

Leslie County Area Tech Center
PO Box 902
Hyden, KY 41749
Allen Adams - Welding Instructor
Phone: 606.672.2859

Letcher County Area Vocational Education Center

610 Circle Drive
Whitesburg, KY 41858
Thomas R. Collins - Welding Instructor
Phone: 606.633.5053

Magoffin County Career & Technical Center
201 Hornett Drive
Salyersville, KY 41465
Toddie Preston, weld instructor
Phone: 606.349.5188
Fax: 606.349.5148

Marshall County Technical Center
341 High School Road
Benton, KY 42025
Jay Tapscott, Weld Instructor
Phone: 270.527.8648
Fax: 270.527.1920

Mayo State Vocational Technical School
513 Third Street
Paintsville, KY 41240
Bobby W. McCool, John McKenzie - Welding Instructors
Phone: 606.789.5321

Monroe Co. Area Technology Center
P.O. Box 338
757 Old Mulky Road
Thompkinsville, KY 42167
Jeff Berryman – Welding Instructor
Phone: 270.487.8261
Fax: 270.487.0094

Rowan State Vo-Tech
609 Viking Drive
Morehead, KY 40351
Stanly Click, Dean Howard - Welding Instructors
Phone: 606.783.1538x232

Russellville Area Technology Center
1103 West 9th St.
Russellville, KY 42276
Rex Cundiff - Welding Instructor
Phone: 270.726.8432

Somerset Community College

808 Monticello St.
Somerset, KY 42501-2973
Billy Wilson - Welding Instructor
David Gilliam – Nite Instructor
Phone: 606.677.4049

South Side Center for Applied Technology
1784 Harrodsburg Road
Lexington, KY 40504-3621
Jim Lamirande – Welding Instructor
Phone: 859.381.3603
Fax: 859.381.3807

Southeast Kentucky Community and Technical College
1300 Chi-Chester Avenue
Middlesboro, KY 40965
David B. Wilder, Instructor
Phone: 606.242.2145 x50833

Southeast Kentucky Community College
164 Ball Park Road
Harlan, KY 40831
Brit Lawson, Jr.
Phone: 606.573.1506 x13205

Spec-Weld Technologies, Inc.
4285 N. Lickert-Harder Road
Graytown, OH 43432-9721
Terry Lowe – Welding Instructor
Phone: 419.898.6874

Wayne County Vocational School
150 Cardinal Way
Monticello, KY 42633
Karl D. Watson - Welding Instructor
Phone: 606.348.8424
Fax: 606.348.5090

Webster County Area Technology Center
235 State Rt 1340
P O Box 230
Dixon, KY 42409
Frank Winstead - Instructor
Phone: 270.639.5035
Fax: 270.639.5545

West Kentucky Community and Technical College

4810 Alben Barkley Drive
P.O. Box 7380
Paducah, KY 42002-7300
Paul Householder, Instructor
Phone 270.554.4991

World Testing, Incorporated
72 East Hill Street
Mt. Juliet, TN 37122
Vernon O'Neal - Welding Instructor
Phone: 615.754.4147

TYPE III RETROREFLECTIVE SHEETING

Products are added to this approved list based on three years of performance data from AASHTO's National Transportation Product Evaluation Program (NTPEP) for retroreflective sheeting. NTPEP data from the Virginia test deck is evaluated to ensure conformance to the minimum requirements of ASTM D4956 for color, colorfastness and retroreflectivity. Warranty information and other requirements for this product are listed in Section 830 of the Standard Specifications. Failure to perform in field evaluation on Kentucky highways may be cause for removal from the approved list regardless of performance on the NTPEP test deck. Contact the Division of Highway Design to include your material to this listing.

<u>COLOR</u>	<u>PRODUCT</u>	<u>MANUFACTURER</u>
White	T-5500	Avery Dennison Corporation
	T-6500	Avery Dennison Corporation
	3870	3M Company
	NC812	Nippon Carbide Industries
Yellow	T-5501	Avery Dennison Corporation
	T-6501	Avery Dennison Corporation
	3871	3M Company
	NC804	Nippon Carbide Industries
Red	T-6508	Avery Dennison Corporation
	3872	3M Company
	NC805	Nippon Carbide Industries
Green	T-5507	Avery Dennison Corporation
	T-6507	Avery Dennison Corporation
	3877	3M Company
	NC808	Nippon Carbide Industries
Blue	T-5505	Avery Dennison Corporation
	T-6505	Avery Dennison Corporation
	3875	3M Company
	NC806	Nippon Carbide Industries
Brown	T-5509	Avery Dennison Corporation
	T-6509	Avery Dennison Corporation
	3877	3M Company
	NC809	Nippon Carbide Industries

Type III sheeting shall be used as background material for panel and sheeting sign faces, letters, symbols, and borders sheeting signs and route signs.

MANUFACTURERS

Avery Dennison Corporation, Reflective Films Division
6565 West Howard Street
Niles, Illinois 60714-3373
Phone No. (800) 327-5917

3M Company
3M Traffic Safety Systems
3M Center, Building 0225-05-S-08
St. Paul, Minnesota 55144-1000
Phone No. (800) 553-1380

Nippon Carbide Industries Co., Inc.
12981 East Florence Ave.
Santa Fe Springs, CA 90670
Phone No. (800) 821-4264

TYPE VIII & IX RETROREFLECTIVE SHEETING

Products are added to this approved list based on three years of performance data from AASHTO's National Transportation Product Evaluation Program (NTPEP) for retroreflective sheeting. NTPEP data from the Virginia test deck is evaluated to ensure conformance to the minimum requirements of ASTM D4956 for color, colorfastness and retroreflectivity. Warranty information and other requirements for this product are listed in Section 830 of the Standard Specifications. Failure to perform in field evaluations on Kentucky highways may be cause for removal from the approved list regardless of performance on the NTPEP test deck. Contact the Division of Highway Design to include your material to this listing.

<u>COLOR</u>	<u>PRODUCT</u>	<u>MANUFACTURER</u>
TYPE VIII		
White	T-7500 ⁽¹⁾	Avery Dennison Corporation
TYPE IX		
White	3990	3M Company

Type VIII, or XI sheeting shall be used as material for and letters, symbols and borders for panel signs.

MANUFACTURERS:

Avery Dennison Corporation, Reflective Films Division
6565 West Howard Street
Niles, IL 60714-3373
(800) 327-5917

3M Company
3M Traffic Safety Systems
3M Center, Building 0225-05-S-08
St. Paul, MN 55144-1000
(800) 553-1380

(1) Provisional approval of this sheeting material is contingent upon:

- a. Successful field performance in Kentucky.
- b. Continued acceptable performance on the NTPEP test deck as reflected in the 2-year test data.

FLUORESCENT ORANGE WORK ZONE SIGN SHEETING

Provide Temporary Sign Sheeting, used for work zone applications, that conforms to the retroreflectivity criteria in Section 830 of the Standard Specifications and has completed 12 months of evaluation on the NTPEP test deck. Products are added to this approved list based on one year of performance data from AASHTO's National Transportation Product Evaluation Program (NTPEP) for retroreflective sheeting. NTPEP data from the Virginia test deck is evaluated to ensure conformance to the minimum requirements of Section 830 of the Standard Specifications for color, colorfastness and retroreflectivity. Warranty information and other requirements for this product are listed in Section 830 of the Standard Specifications.

Failure to perform in field evaluation on Kentucky highways may be cause for removal from the approved list regardless of performance on the NTPEP test deck. Use sheeting materials that present a finished surface suitable for receiving stenciled messages or paint overlays. Provide only retroreflective sign sheeting materials that conform to Federal Specification L-S-300C for solvent resistance, heat resistance, cold resistance, and humidity resistance. To have your product considered for inclusion on this list please contact the Division of Traffic.

PRODUCT

MANUFACTURER

W-7514
3924

Avery Dennison Corporation
3M Company

MANUFACTURERS

Avery Dennison Corporation, Reflective Films Division
6565 West Howard Street
Niles, Illinois 60714-3373
Phone No. (847) 647-7717

3M Company 3M Center
Traffic Control Materials Division
Building 225-5S-08
P.O. Box 33225
St. Paul, Minnesota 55133-3225
Phone No. (800) 553-1380

MANUFACTURERS OF LOAD TRANSFER ASSEMBLIES

To be included on this approved list, assemblies shall be inspected and tested by the Physical Section in accordance with Section 811.09 of the Standard Specifications.

American Highway Technology
2150B S. Rte. 45-52
Kankakee, IL 60901
Phone: 815.936.3300 x560
Mark Jacobsen

Dayton Superior
1900 Wilson
Parsons, KS 67357
Phone: 800.745.3709
Mike Barnett

Dowel Assembly Manufacturing Co., Inc.
1851 Country Club Dr.
Jackson, MS 39209
Phone: 800.238.3011
Chris Dunaway

Mid Park, Incorporated
Route 1, Box 204-A
Leitchfield, KY 42754
Phone: 270.242.2571
Donnie Lewis

Wady Industries
510 East Grove Street
Maquoketa, IA 52060
Phone: 563.652.5136
Bill Pettyjohn

MANUFACTURERS OF GRAY IRON CASTING

To be included on this approved list, the material supplier or manufacturer must submit satisfactory test results to the Physical Section in accordance with Section 813 of the Standard Specifications.

John Bouchard and Sons
1024 Harrison Street
Nashville, TN 37203
Phone: 615.256.0112
ATTENTION: William Morgan

East Jordan Iron Works, Incorporated
1855 Feddern Avenue
Grove City, OH 43123
ATTENTION: Gregory L. Probasco
Phone: 614.871.2436

Eureka Foundry
1601 Carter Street
PO Box 6039
Chattanooga, TN
Phone: 423.267.3328, fax: 423.756.2607

J R Hoe and Sons
PO Box 1737
Middlesboro, KY 40965
Phone: 800.245.5521
ATTENTION: Harry M. Hoe, Vice President

Neenah Foundry Company
Box 729
Neenah, WI 54956
Phone: 414.725.7000
800.558.5075

Deeter Foundry, Inc.
5945 N. 70th Street
PO Box 29708
Lincoln, NE 68529
Phone: 800.234.7466

MANUFACTURERS OF STEEL WELDED GRATES (NON-TRAFFIC)

To be included on this approved list, the supplier's facilities and procedures must be inspected by the Physical Section. Certifications of A36 steel must be kept on file and grates must comply with standard drawings. Welders must comply with Kentucky Methods 108 and/or 110. Contact the Physical Section for information on obtaining approval for your product.

Bottoms Engineering
971 Taylor Road
Frankfort, KY 40601
Phone: 502.695.2200

East Jordan Iron Workers
301 Spring Street
East Jordan, MI 49727
Phone: 800.837.3901 – Bill Demidvitch

John Bouchard & Sons Co.
1024 Harrison Street
Nashville, TN 37203-3327
Phone: 615.256.0112

J.R. Hoe & Sons Inc.
PO Box 1737
Middlesboro, KY 40965
Phone: 800.245.5521

Kay and Kay Contracting, Incorporated
1355 Keavy Road
London, KY 40741
Phone: 606.878.7962

MANHOLE STEPS

To be placed on the approved list the manhole steps must conform to ASTM C478. A sample with product literature must be submitted to the supervisor of the Concrete/Cement Section. Manhole steps shall be installed only by using procedures recommended by the manufacturer. Square anchor legs require precast inserts.

American Step Company
830 East Broadway
P.O. Box 137
Griffin, GA 30224-0137
Phone: 770.467.9844
Approved Steps: ML-10 and I-11

M A Industries, Incorporated
Kelly and Dividend Road
Peachtree City, GA 30269
Phone: 404.461.6061
Approved Steps: Press Fit Step and Uni-Step

EPOXY COATERS

To be included on this approved list, coaters shall meet the requirements of Kentucky Methods 101 and 102 and of Section 811.10.06 of the Standard Specifications. Contact the Physical Section for approval. Note: All approved “Epoxy Coaters” are also approved for “Reinforcing Steel Fabricators”.

ABC Coating of North Carolina
P. O. Box 957
Gastonia, N. C. 28053-0957
Mike Buchanan, Quality Control Manager
Phone: 704.865.9171

American Highway Technology
2150B South Route 45-52
Kankakee, IL 60901
Mark Jacobson
Phone: 815.936.3300 X 780

American Highway Technology
1900 Wilson
Parsons, KS 67357
Steve Nading
Phone: 620.421.3000

Ameristeel
PO Box 1882
Knoxville, TN 37901-1882
Mr. Brice Wager, Shannon Cardwell, Epoxy Managers
Phone: 865.546.5472

CMC Construction Services
18909 Highland Road
Baton Rouge, LA 70810
Kevin Ruesch
Phone: 225.751.4000

Gerdau AmeriSteel
1810 South Macedonia
Muncie, IN 47302
Phone: 765.286.5454

Gerdau Ameristeel Sayreville
P.O.Box 249
North Crossman Road
Sayreville, New Jersey 08871-0249
Kevin Zurawski
Phone: 732.721.6600

Midwest Pipe Coating, Incorporated
PO Box 127
Schererville, IN 46375
Don Livingston
Phone: 219.322.4564

Simcote of Ohio
PO Box 523
250 North Greenwood Street
Marion, OH 43302
Phone: 740.382.5000
Art Tofte, General Manager

Toltec Steel Services, Inc.*
PO Box 351
Kankakee, IL 60901
Ruben Ontiveros
Phone: 815.928.9600

*Conditional Approved list status: Approved pending site visit. Coater to notify the Physical Section, prior to coating any material for Cabinet projects.

LIME

Hydrated lime and quicklime supplied for stabilization work shall be supplied from approved producers. Hydrated lime and quicklime shall be required to meet ASTM C 25 and ASTM C 110. Application for approved source status shall be made to the KYTC Division of Materials Geotechnical Branch. Producers shall submit a split sample for testing and a copy of the past six months test data for each type of lime submitted for approval. The split sample shall consist of one liter for the KYTC and one liter for the producer's laboratory. Prior to shipments to projects, the KYTC may inspect the producers quality control plan and procedures at the plant.

Approved producers shall supply a certificate of compliance and bill of lading with each shipment to projects. Lime may be used on the basis of approved source status and valid certifications. However, check samples will be taken at the project site by the Resident Engineer as prescribed in the Manual of Field Sampling and Testing Practices. If a lime producer has more than 10 percent failures after 10 or more field check samples are taken, that producer will be suspended from the approved list. The KYTC will confirm that the failures were representative of lime shipped from the source and not due to job site contamination.

SOURCES OF HYDRATED LIME

Carmeuse North America

Black River Division
9043 Highway 154
Butler, KY 41006
Phone: 859.472.8111

Mississippi Lime Company

7 Alby Street
Alton, IL 62002
Phone: 618.474.2826

SOURCES OF QUICKLIME

Carmeuse North America

Black River Division
9043 Highway 154
Butler, KY 41006
Phone: 859.472.8111

Longview Plant
PO Box 137
Saginaw, AL 35137-0037
Phone: 205.663.0786

Maysville Division
PO Box 629
Maysville, KY 41056-0329
Phone: 606.564.9600

Global Stone Tenn Luttrell Company

486 Clinch Valley Road
Luttrell TN 37779-1635
Phone: 865.992-3841

Mississippi Lime Company

7 Alby Street
Alton, IL 62002
Phone: 618.474.2826

ANTI-STRIPPING ADDITIVES

When applicable, such as in Open-Graded Friction Course (OGFC) applications, select an additive from the list below. In order to be placed on this list, an additive must exhibit a substantial history of acceptable performance as tested by ASTM D4867 by the Asphalt Mixtures Testing Section.

<u>Product Name</u>	<u>Manufacturer</u>
Pave Bond Lite	Rohm and Haas Co. (formerly Morton International) 2000 West Street Cincinnati, OH 45215
Pave Bond T - Lite	Rohm and Haas Co. (formerly Morton International)
Kling Beta 2550 HM	Akzo Nobel Surface Chemistry LLC (formerly ScanRoad) 7101 Adams St. Willowbrook, IL 60521
Wetfix 312	Akzo Nobel Surface Chemistry LLC (formerly ScanRoad)
AD-here LOF 65 - 00 LS	Arr-Maz Products, Inc. 621 Snively Avenue Winter Haven, FL 33880
AD-here 66 - 01 LS	Arr-Maz Products, Inc.

EPOXY RESIN SYSTEMS MEETING ASTM C881 REQUIREMENTS

TYPE III

TYPE III, GRADE 1, CLASS B

Manufacturer

Dayton Superior

Products

Sure Level Epoxy (J-57)

TYPE III, GRADE 1, CLASS C

Manufacturer

Unitex

Dayton Superior

Products

Pro-Poxy Type III

Sure Level Epoxy (J-57)

TYPE III, GRADE 2, CLASS B

Manufacturer

Unitex

Products

Pro-Flex

TYPE III, GRADE 2, CLASS C

Manufacturer

Kaufman Products, Incorporated

Unitex

Products

SurePoxy VLM

Pro-Flex

TYPE III, GRADE 3, CLASS C

Manufacturer

Kaufman Products, Incorporated

Products

SurePoxy LM Gel

TYPE IV

TYPE IV, GRADE 1, CLASS A

Manufacturer

Adhesives Technology Corp.

(formerly US Anchor Corporation)

Products

Crackbond SLV-302

TYPE IV, GRADE 1, CLASS B

Manufacturer

Thoroc/ChemRex, Inc. (Formerly Fosroc)

Unitex

Polygem Incorporated

The Euclid Co. (Formerly Tamms Industries)

Adhesives Technology Corp.

(formerly US Anchor Corporation)

Products

Thoroc Hi Mod Adhesive

Pro-Poxy 100

Polybac #1101

Duralcrete

Crackbond SLV-302

TYPE IV, GRADE 1, CLASS C

Manufacturer

Thoroc/ChemRex, Inc. (Formerly Fosroc)

Burke by Edoco

Products

Thoroc Hi Mod Adhesive

BurkEpoxy LV

Conspec
Specialty Construction
Chemicals, Inc.
Unitex
Polygem Incorporated
The Euclid Co. (Formerly Tamms Industries)
Adhesives Technology Corp.
(formerly US Anchor Corporation)
Adhesives Technology Corp.
(formerly US Anchor Corporation)

TYPE IV, GRADE 2, CLASS B

Manufacturer

Conspec
Dayton Superior
Thoroc/ChemRex, Inc. (Formerly Fosroc)
Sika Corporation
Sika Corporation
Sika Corporation
Unitex
Polygem Incorporated

TYPE IV, GRADE 2, CLASS C

Manufacturer

Conspec
Dayton Superior
Euclid Company
Kaufman Products, Incorporated
Sika Corporation
Unitex
Kaufman Product, Inc.
Polygem Incorporated
Adhesives Technology Corp.
(formerly US Anchor Corporation)

TYPE IV, GRADE 3, CLASS A

Manufacturer

Adhesives Technology Corp.
(formerly US Anchor Corporation)
Hilti, Inc.
Powers Fasteners, Inc.

TYPE IV, GRADE 3, CLASS B

Manufacturer

Conspec
Dayton Superior
Adhesives Technology Corp.
(formerly US Anchor Corporation)

Spec Bond 50

Specialty Injection Resin
Pro-Poxy 100
Polybac #1101
Duralcrete
Crackbond SLV-302

Crackbond LR-321

Products

Spec Bond 100
Resi-Bond (J-58)
Thoroc Hi Mod Adhesive
Sikadur Injection Gel
Sikadur Anchor Fix-4
Sikadur DOT-SP5
Pro-Poxy 204
Polybac #1001

Products

Spec Bond 100
Resi-Bond (J-58)
452 MV
SurePoxy HM
Sikadur DOT-SP5
Pro-Poxy 204
SurePoxy HM
Polybac #1001
Ultrabond 1100

Products

HS-200

HIT-RE 500
AC 100 Plus

Products

Spec Bond 200
Sure-Anchor (J-50)
HS-200

Hilti, Inc.
Specialty Construction Chemicals, Inc
Hilti, Inc.

HIT-RE 500
*Specialty Anchor Gelfs
*RSE-DOT

TYPE IV, GRADE 3, CLASS C

Manufacturer

BurkEpoxy
Conspec
Dayton Superior
Sika Corporation
Sika Corporation
Adhesives Technology Corp.
(formerly US Anchor Corporation)
Hilti, Inc.
Specialty Construction Chemicals, Inc.
Hilti, Inc.

Products

Pistol Pak EZ
Spec Bond 200
Sure-Anchor (J-50)
Sikadur Injection Gel
Sikadur Anchor Fix-4
Ultrabond 2300

HIT-RE 500
* Specialty Anchor Gel FS
*RSE-DOT

TYPE V

TYPE V, GRADE 1, CLASS A

Manufacturer

Adhesives Technology Corp.
(formerly US Anchor Corporation)

Products

Crackbond SLV-302

TYPE V, GRADE 1, CLASS B

Manufacturer

Thoroc/ChemRex, Inc. (Formerly Fosroc)
Unitex
Polygem Incorporated
The Euclid Co. (Formerly Tamms Industries)
Dayton Superior
Adhesives Technology Corp.
(formerly US Anchor Corporation)

Products

Thoroc Hi Mod Gel
Pro-Poxy 100
Polybac #1101
Duralcrete
Sure-Inject (J56)
Crackbond SLV-302

TYPE V, GRADE 1, CLASS C

Manufacturer

Burke by Edoco
Thoroc/ChemRex, Inc. (Formerly Fosroc)
Kaufman Products, Incorporated
Kaufman Products, Incorporated
Conspec
Unitex
Polygem Incorporated
The Euclid Co. (Formerly Tamms Industries)
Dayton Superior
Adhesives Technology Corp.
(formerly US Anchor Corporation)
Adhesives Technology Corp.

Product

BurkEpoxy LV
Thoroc Hi Mod Adhesive
SurePoxxy LMLV
SurePoxxy HMLV
Spec Bond 50
Pro-Poxy 100
Polybac #1101
Duralcrete
Sure-Inject (J-56)
Crackbond SLV-302

Crackbond LR-321

(formerly US Anchor Corporation)
Specialty Construction Chemicals, Inc

Specialty Injection Resin

TYPE V, GRADE 2, CLASS B

Manufacturer

Conspec
Dayton Superior
Thoroc/ChemRex, Inc. (Formerly Fosroc)
Sika Corporation
Unitex
Kaufman Products, Inc.
Polygem Incorporated

Product

Spec Bond 100
Resi-Bond (J-58)
Thoroc Hi Mod Gel
Sikadur DOT-SP5
Pro-Poxy 204
Surepoxy HM
Polybac #1001

TYPE V, GRADE 2, CLASS C

Manufacturer

Conspec
Dayton Superior
Euclid Company
Thoroc/ChemRex, Inc. (Formerly Fosroc)
Kaufman Products, Incorporated
Sika Corporation
Unitex
Polygem Incorporated
Adhesives Technology Corp.
(formerly US Anchor Corporation)

Product

Spec Bond 100
Resi-Bond (J-58)
452 MV
Thoroc Hi Mod Gel
SurePoxy HM
Sikadur DOT-SP5
Pro-Poxy 204
Polybac #1001
Ultrabond 1100

TYPE V, GRADE 3, CLASS A

Manufacturer

Adhesives Technology Corp.
(formerly US Anchor Corporation)

Product

HS-200

TYPE V, GRADE 3, CLASS B

Manufacturer

Conspec
Dayton Superior
Adhesives Technology Corp.
(formerly US Anchor Corporation)

Product

Spec Bond 200
Sure-Anchor (J-50)
HS-200

TYPE V, GRADE 3, CLASS C

Manufacturer

BurkEpoxy
BurkEpoxy
Conspec
Dayton Superior
Adhesives Technology Corp.
(formerly US Anchor Corporation)

Products

NS
Pistol Pak EZ
Spec Bond 200
Sure-Anchor (J-50)
Ultrabond 2300

*Approved for use ONLY with automatic proportioning, mixing and dispensing equipment.

Epoxy Products are placed on the Approved List after review of manufacturer's independent laboratory data showing the material conforms to the applicable ASTM C881 specifications. To determine test frequency refer to the Field Sampling Manual. Contact the Chemical Section for placement on the approved list.

EPOXY RESIN SYSTEMS MANUFACTURER LOCATION

ChemRex, Inc. (formerly Fosroc, formerly Celtite)
889 Valley Park Drive
Shakopee, MN 55379

Kaufman Products, Incorporated
1326 North Bentalou Street
Baltimore, MD 21216

Magnolia Plastics Incorporated
5547 Peachtree Boulevard
Chamblee, GA 30341

The Euclid Company
19218 Redwood Road
Cleveland, OH 44110

Conspec Marketing & Manufacturing Co., Inc.
636 South 66th Terrace
Kansas City, KS 66111

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
(201) 933-8800

Dayton Superior
4226 Kansas Avenue
Kansas, KS 66106

Unitex
3101 Gardner
Kansas City, MO 64120

Polygem, Inc.
PO Box 609
1105 Carolina Drive
West Chicago, IL 60185

Burke by Edoco
22039 S. Westward Avenue
Long Beach, CA 90810-1681

Adhesives Technology Corp. (formerly U.S. Anchor Corp.)
450 East Cophans Rd.
Pompano Beach, FL 33064

STRUCTURAL ADHESIVES WITH EXTENDED CONTACT TIME

Product

Sika Armathec 110

Company

Sika Corp.
201 Polito Avenue
Lyndhurst, NJ 07071
(201) 933-8800

The above product was tested experimentally on three projects and reviewed by the New Products Committee prior to approval. The approval procedure and material properties for additional product approval are detailed in the Special Note for Structural Adhesives with Extended Contact Time. Contact the Chemical Section for placement on the approved list.

BUTYL RUBBER SEALANTS

The approved materials list for butyl rubber sealants has been discontinued. Please refer to Section 807.03.04, Part B, of the *Standard Specifications for Road and Bridge Construction*.

RUBBER GASKETS

The approved materials list for rubber gaskets has been discontinued. Please refer to Section 807.03.04, Part C, of the *Standard Specifications for Road and Bridge Construction*.

REINFORCING BAR GROUT ADHESIVES (NON-EPOXY)

Other materials may be used as an alternate to ASTM C 881, Type IV Epoxy when the Special Note for Non Epoxy Adhesives is included on the project notes. These materials include Non Epoxy (Polyester) Adhesives and Epoxy Adhesives not in conformance with ASTM C881, but meeting the minimum pull out strength referenced below.

Manufacturers desiring to have their products placed on this list shall submit samples to the Chemical Section. The adhesives shall be tested in accordance with Kentucky Method 64-209, Pull-Out Test for Re-bar Anchor Systems. In this test, the material is used to anchor a 16 mm (#5) epoxy coated rebar in hardened concrete having a 28 day compressive strength of 27,580 kPa (4000 psi) and must develop a minimum pull-out strength of 84,516 N (19,000 lbs.) with zero slippage. Material which develops the pull-out strength in one hour shall be classified as Category I and material which develops the pull-out strength in 24 hours shall be classified as Category II.

<u>Manufacturer</u>	<u>Product</u>	<u>Category</u>
ChemMasters	PolyTops Fast Set Epoxy	I
Conspec	SpecBond 150	II
Conspec	Spec Bond 201	II
Covert Operations, Inc.	CIA-GEL	II
Dayton Superior	Sure-Anchor I L.V. Epoxy (J-51 LV)	II
Dayton Superior	Sure-Anchor Epoxy J-50	II
Dayton Superior	Sure-Level (J-57)	II
Hilti	HIT HY150	I
Hilti	HIT-RE500	II
Hilti	HSE 2421	II
Hilti	HVU Capsules	I
Hilti	HIT HY150 MAX	I
ITW Ramset/Red Head	Epcon A7	I
ITW Ramset/Red Head	Epcon Impact Capsule	I
ITW Ramset/Red Head	Epcon C6	II
ITW Ramset/Red Head	NEW Epcon G5	II
Kaufman Products, Inc.	Sure Poxy 116	II
Kaufman Products, Inc.	Sure Poxy 117	II
Kelken Construction Systems	Keligrout*	I
Kelken Construction Systems	Kelipoxy II	II
MKT Fastening	Liquid Roc 700	I
Poly-Carb, Incorporated	Mark 198	II
Poly-Carb, Incorporated	Mark 198.1	II
Poly-Carb, Incorporated	Mark 198.3	
Polygem, Inc.	Polybac 1257	II
Polygem, Inc.	Polybac 1295	II
Polygem, Inc.	Polybac 1605	I
Powers Fasteners, Inc.	Acrylic 100 Plus	I
Powers Fasteners, Inc.	Power-Fast Epoxy Injection Gel	II
Powers Fasteners, Inc.	Powers Hammer-Capsule	I
Prime Resins	Quick Bond	II
Prime Resins	Speed Bond #1	II

Sika Corporation	DOT SP3	II
Sika Corporation	Sikadur Anchor Fix-3	II
Sika Corporation	DOT SP 13	II
Sika Corporation	DOT SP 3	I
Sika Corporation	Sikadur Anchor Fix-3	I
Sika Corporation	Sikadur 32	II
Sika Corporation	Sikadur 35	II
Sika Corporation	Sikadur Anchor Fix-4	II
Sika Corporation	Sikadur Anchor Fix – 1	I
Sika Corporation	Sikadur Anchor Fix – 1	II
Simpson Strong-Tie Co., Inc.	Acrylic Tie AT	I
Simpson Strong-Tie Co., Inc.	Acrylic Tie AT	II
Simpson Strong-Tie Co., Inc.	Epoxy-Tie ETF22	I
Simpson Strong-Tie Co., Inc.	Epoxy Tie	II
Simpson Strong-Tie Co., Inc.	Set High Strength	II
Simpson Strong-Tie Co., Inc.	VGC (Vinylester Glass Capsule)	I
Specialty Construction Chemicals Inc.	Specialty Anchor Gel FS	II
Thoroc/ChemRex, Inc.	Anchortite	I
Unitex	Pro-Poxy 300	II
Unitex	Pro-Poxy 300 Fast	II
Unitex	Pro-Poxy 400	I
Unitex	Sonneborn Epogel	II
Unitex	Sonneborn Rapid Gel	II
Adhesives Technology Corp. (formerly U S Anchor Corporation)	Ultrabond 1300	II
Adhesives Technology Corp. (formerly U S Anchor Corporation)	Ultrabond III	II
Adhesives Technology Corp. (formerly U S Anchor Corporation)	Ultrabond Speed Set-2	II
Adhesives Technology Corp. (formerly U S Anchor Corporation)	Ultrabond 2200	II
Adhesives Technology Corp. (formerly U S Anchor Corporation)	HS-200	II
Williams Form Engineering Corp.	Wil-Bond	II

*When supplied in cartridge form the product name and description is KeligROUT 101-P.

MATTRESSES AND GABIONS

Mattresses and gabions must conform to either ASTM A 974 (welded wire) or ASTM A 975 (twisted wire) to be accepted on Cabinet projects. Contact the Physical Section with any questions.

GABION FASTENERS

To be included on this approved list, samples of the fasteners and gabion units shall be inspected and tested by the Physical Section. The fasteners must exhibit at least the strength of the specified tie wire.

Brand Name

Manufacturer

Tiger-Tite Interlocking Fasteners

Jackson Clip Company
Mazie, OK

MATTRESS UNIT FASTENERS

To be included on this approved list, samples of the fasteners and gabion units shall be inspected and tested by the Physical Section. The fasteners must exhibit at least the strength of the specified tie wire.

Spenex Rings *

Stanley Fastening Systems

- * When these fasteners are used, strict adherence to the required spacing must be met. The required spacing is either one fastener every five inches or every mesh opening, and at all required points of lacing. A nominal overlap of one (1) inch must be achieved upon collapsing the fastener.

REINFORCING STEEL MANUFACTURERS

To be included on this approved list, compliance with Kentucky Method 64-101, Section 2 and Section 811 of the Standard Specifications is required. Contact the Physical Section for approval.

A.B. Steel Mill, Inc
204 W. North Bend Rd.
Cincinnati, OH 45216
Phone: 800.543.4922, 513.679.4499
Approved for sizes #4-8
(Sold exclusively by Frederick Steel)

Bayou Steel Corporation
2424 South Roane Street
Harriman, TN 37748
865-882-5100

Chaparral Steel
300 Ward Road
Midlothian, Texas 76065-9651
Phone: 972.779.1872

Gerdau-Ameristeel
P.O. Box 481980
Charlotte, NC 28269
Phone: 704.596.0361

Gerdau-Ameristeel
Jacksonville Mill Division
PO Box 518
Baldwin, FL 32234

Gerdau-Ameristeel
Knoxville Mill Division
PO Box 51236
Knoxville, TN 37950-1235
Phone: 615.546.5472

Gerdau-Ameristeel
PO Box 3670
Jackson, TN 38301
Phone: 731.424.5600

Gerdau-Ameristeel
225 Elm Street
Perth Amboy, NJ 08862
Approved for sizes #3, #4, #5
(Formerly Co-Steel Raritan)
Phone: 732.442.1600 x236

Gerda-Ameristeel
P.O.Box 249
North Crossman Road
Sayreville, New Jersey 08871-0249
Phone: 732.721.9687
(Formerly Co-Steel Sayreville)

Gerda-Ameristeel Beaumont
100 Old Highway 90 West
Vidor, TX 77662
Phone: 409.769.1031

Gerda Ameristeel Sand Springs
P.O. Box 218
Sand Springs, OK 74063
Approved for sizes #4-8
Phone: 918.241.6973
Fax: 918.241.6975

Gerda-Ameristeel-St. Paul Mill
P.O. Box 64189, 1678 Red Rock Rd.
Saint Paul, Minnesota 55164
Phone: 651.731.5644
(Formerly Northstar Steel Minnesota)

Gerda-Ameristeel-Wilton
P.O. Box 3002
Wilton, IA 52778
Phone: 563.732.4571

Nucor Steel Auburn
P.O. Box 2008
25 Quarry Road
Auburn, N Y 13021
Phone: 800.424.1494

Nucor Steel Birmingham, Inc.
PO Box 2764
Birmingham, AL 35202
Phone: 205.252.8777
(Formerly Birmingham Steel Corporation)

Nucor Steel Jackson, Inc.
Jackson Steel Southeast
3630 Fourth Street
Flowood, MS 39208
Phone: 601.939.1623
(Formerly Birmingham Steel Southeast)

Nucor Steel Kankakee, Inc.
972 East 4500 North Road
Bourbonnaise, IL 60914
Kankakee Mill
Phone: 815.939.5587
(Formerly Birmingham Steel Corporation-Illinois Division)

Nucor Steel-Marion, Inc.
912 Cheney Ave.
Marion, OH 43302
Phone: 740.383.4011

Rocky Mountain Steel Mills
1612 E. Abriendo
Pueblo, CO 81004

SMI Steel - South Carolina
310 New State Road
PO Box 2005
Cayce-West Columbia, SC 29171
Phone: 803.739.5313

SMI - Texas
P.O.Box 911
Seguin, TX 78156-0911
Phone: 210.372.8200

REINFORCING STEEL FABRICATORS

To be included on this approved list, compliance with Kentucky Method 64-101, Section 3 and Section 811 of the Standard Specifications is required. Contact the Physical Section for approval.

Note: All approved "Epoxy Coaters" are also approved for "Reinforcing Steel Fabricators".

ABC Coating of North Carolina
P O Box 957
Gastonia, NC 28053-0957

Aerocrete Precast Corporation
5660 Limaburg Road
Burlington, KY 41005
Phone: (859) 371-8800

Ambassador Steel
10860 Paddys Run Road
Harrison, OH 45030
Phone: 513.738.1232
fax: 513.738.1244

Ambassador Steel
7525 Mitchell Road
Suite 203
Eden Prairie, MN 55344
Phone: (612) 934-1033

Ambassador Steel
1125 E. Vaile Street
Kokomo, IN 46901
Phone: (317) 459-0056

Ambassador Steel
149 Sycamore Lane
Mooresville, IN 46158
Phone: (317) 834-3434

Ambassador Steel
1401 N. 15th Avenue E.
PO Box 488
Newton, IA 50208
Phone: (515) 792-7142

Ambassador Steel
1050 St. George Road
Bourbonnais, IL 60914
Phone: (815) 929-3770

Ambassador Steel
2530 Thornwood, S.W.
Wyoming, MI 49509
Phone: (616) 534-7677

American Highway Technologies
2150B South Route 45-52
Kankakee, IL 60901
Phone: (815) 936-3300

Ameristeel
Atlanta Reinforcing Division
PO Box 936
Duluth, GA 30136
Phone: 770.476.1535

Ameristeel
Charlotte Reinforcing Division
PO Box 31067
Charlotte, NC 48231
Phone: 704.399.9020

Ameristeel
Fort Lauderdale Reinforcing Division
PO Box 5688
Fort Lauderdale, FL 33310
Phone: (305) 921-2500

Ameristeel
Jacksonville Reinforcing Division
PO Box 24487
Jacksonville, FL 32241
Phone: (904) 262-9770)

Ameristeel
Knoxville Reinforcing Division
P.O. Box 1882
Knoxville, TN 37901-1882
Phone: (615) 546-5472

Ameristeel
Louisville Reinforcing Division
PO Box 23349
Louisville, KY 40223-0349
Phone: (502) 245-0256

Ameristeel
Muncie Rebar Fabrication and Coating Division
1810 S. Macedonia Ave.
Muncie, IN 47302
Phone: (765) 286-5454

Ameristeel
Memphis Reinforcing Division
PO Box 357
Collierville, TN 38017-0357
Phone: (901) 853-8250

Ameristeel
Nashville Reinforcing Steel
4280 Sidco Drive
Nashville, TN 37204
Phone: (615) 832-6442

Ameristeel
Raleigh Reinforcing Division
PO Box 25219
Raleigh, NC 27611
Phone: (919) 833-9737

Ameristeel
Tampa Reinforcing Division
PO Box 3009
Plant City, FL 33564
Phone: (813) 752-7550

Bridgtek
832 Licking Pike
Wilder, KY 41076
Phone (859) 572-9131 / (800)344-2102

Builders Metal Supply, Inc.
1032 S. 8th Street
Louisville, KY 40203
Phone: (502) 589-3396

Callaway Building Products
PO Box 4130
2741 Mynders Ave.
Knoxville, TN 37921
Phone: (865) 523-0424

Cloud Concrete Products, Inc
1562 Old Frankfort Pike
Lexington, KY 40504
Phone: (606) 259-1484

Cloud Concrete Products, Inc
125 International Blvd
LaVergne, TN 37086
Phone: 615.453.6080

Con-Quip, Inc.
Box 548
1612 Distribution Drive
Burlington, KY 41005
Phone: 606.283.1900

Consolidated Construction Products, Inc.
430 Ladder Lane
Carrollton, KY 44223
Phone: 330.922.3670
Fax: 330.922.3672

Contractors Materials Company
900 Glendale-Milford Rd.
PO Box 15146
Cincinnati, OH 45215
Phone: 513.956.3167

deAM-Ron Building Systems, Inc.
PO Box 217
Owensboro, KY 42302
Phone: (270) 684-6226

Desco Steel Corp.
P.O. Box 303
Newtown Square, PA 19073
Phone: 610.889.3360
Blaise DeSanto, President

Diamond Fabrications, Inc.
30 Stewart Court
Washington, PA 15301
Phone: 724.223.0601

Dowel Assembly Manufacturing Co., Inc.
1851 Country Club Dr.
Jackson, MS 39209
Phone: 601.922.7140

ENCO Materials, Inc.
Jackson Division
3836 Hwy 45N
Jackson, TN 38305
Phone: 800.392.5001

ENCO Materials, Inc.
Knoxville Division
4615 Coster Rd.
Knoxville, TN 37912
Phone: (865) 687-7220, (800) 251-1462

ENCO Materials, Inc.
Memphis Division
4100 East Shelby Drive
Memphis, TN 38118
Phone: (901) 366-9133, (800) 800-7648

ENCO Materials, Inc.
Nashville Division
110 N. First Street
Nashville, TN 37213
Phone: (615) 256-3192

Equipment Sales and Rentals, Inc.
628 Bizzell Drive
Lexington, KY 40501
Phone: (859) 233-0600

F. J. Folz Company, Inc.
1725 West Franklin Street
PO Box 6195
Evansville, IN 47712
Phone: (812) 424-2451

Frederick Steel Co.
200 W. North Bend Rd.
Cincinnati, OH 45216-1725
Phone: (513) 821-6400
Gastrich Re-bar, Inc.
2941 Spring Grove Avenue
Cincinnati, OH 45225
Phone: (513) 541-6009

Gerdau - Ameristeel
2595 Tripp Road
Belvidere, IL 61008
Phone: 800.248.6163

Gerdau - Ameristeel
2440 North Woodford Street
Decatur, IL 62526
Phone: 800.654.1733

Greenrose Rentals, Inc.
600 Marret Ave.
Louisville, KY 40208
Phone: (502) 636-2525

Huntington Steel
100 Third Avenue
P.O.Box 1178
Huntington, WV 25714-1178
Phone: 800.888.9780
Huntington Steel
155 Thacker Road
Pikeville, KY 41501
Phone: 800.382.3566

Long Concrete Industries, Inc.
PO Box 7708
Paducah, KY 42002-7708
Phone: 270.442.3585
Fax: 270.442.3588

Midwest Pipe Coating, Inc.
PO Box 127
Schererville, IN 46375-0127
Phone: 219.322.4564

Mills Supply Co., Inc.
P.O. Box 19015
Louisville, KY 40259-0015
Phone: (502) 561-0700

MMI of Kentucky
2081 Mercer Road
Lexington, KY 40511
Phone: (606) 252-0070

Modern Welding Co. of Kentucky, Inc.
Box 117
Elizabethtown, KY 42702-0117
Phone: (502) 769-1368

Oldcastle Precast Inc.
5900 East Division
Lebanon, TN 37090
Phone: 615.453.6111

Permatile Concrete Products Company
P.O.Box 2049
100 Beacon Road
Bristol, VA/TN 24203
Phone: 1.800.662.5332

Prestress Industries, LLC
PO Box 211
5827 Mary Ingles Highway
Melbourne, KY 41059
Phone: (606) 441-3533 *

Powell's Welding & Metal Sales, Inc.
1857 Calvin Drive
Hopkinsville, KY 42240
Phone: 270.885.4094

Prestress Services Industries, LLC
PO Box 598
Henderson, KY 42419-0598
Phone: 270.826.6244 *

Prestress Services Industries, LLC
PO Box 55436, Haley Road
Lexington, KY 40555-5436
Phone: 859.299.0461 *

Prestress Services Industries, LLC
PO Box 211
Melbourne, KY 41059-0211
Phone: 859.441.0068

Prestress Services Industries, LLC
PO Box 111
Decatur, IN 46733-0111
Phone: 260.724.7117

Roadway Construction Products
3645 Elizabethtown Road
Clarkson, KY 42726
Phone: 270.242.2571

Sioux City Foundry Co.
801 Division Street
Sioux City, IA 51102-3067
Phone: 800.831.0874

Smith Welding Service, Inc.
P.O.Box 244
Hardinsburg, KY 40143
Phone: 270.756.6151, Fax: .6101

Southeastern Reinforcing, Inc.
130 Bull Camp Road
Jackson, TN 38301
Phone: (713) 427-3227

Spiral - Fab., Inc.
State Route 156 East
RR 2, Box 317
Vevay, IN 47043
Phone: (812) 427-3006

Steelcorp Incorporated
5938 Hamilton Cleves Hwy.
Miamitown, OH 45041
Phone: (513) 353-9945

Steel Specialties of Mississippi, Inc.
PO Box 54128
Pearl, MS 39288
Phone: (601) 939-2690

Suburban Steel Supply Co.
1900 Deffen Baugh Court
Gahanna, OH 43230
Phone: (614) 737-5501

ThornOrwick
200 Quality Place
Corydon, IN 47112
Phone: (812) 738-8201

Welch Concrete Products
6580 U.S. Highway 641 North
Almo, KY 42020
Phone: (270) 753-0277

* These firms fabricate steel for their own use.

GUARDRAIL MANUFACTURERS

To be included on this approved list, compliance with AASHTO M 180 and Section 814 of the Standard Specifications is required. Contact the Physical Section for approval.

Manufacturer

Brand Marking

Central Fabricators, Inc.
P.O. Box 849
Kosciusko, MS 39090
Mary Hudson
662.289.1980

CF

Gregory Highway Products, Inc.
4100-13th Street S.W.
P.O. Box 80508
Canton, OH 44708
Andrew Artar
330.477.4800

GH

LU, Inc.
P.O. Box 607
Kingston Springs, TN 37082
Novice J. Cole, Jr.
615.952.5501
(steel posts and all componet parts only)
(Formerly Guide Products, Inc.)

Highway Safety Corporation
239 Commerce Street
P.O. Box 358
Glastonbury, CT 06033-0358
Frank Luszcz
860.633.9445

HS

Mid Park, Inc.
P.O. Box 204-A
Route 1
Leitchfield, KY 42754
Donnie Lewis
270.242.2571
(For Posts, End Treatments & Hardware only)

R. G. Steel Corp.
P.O. Box 356
Route 551
Pulaski, PA 16143
Dominick J. Cortell
724.656.1722

RG

Trinity Industries, Inc.
1170 North State Street
Girard, OH 44420
Gary Lallo
330.545.4373

A "T" inscribed in
an upside down
triangle.

CONCRETE CURING COMPOUNDS

Liquid Curing Compounds used for Curing Portland Cement Concrete shall meet the requirements of AASHTO M148, Type I-D, Class A or B; or Type II, Class A or B.

Curing Compound Manufacturers are placed on the Approved List based on evidence of a satisfactory past record and a satisfactory quality control program which will ensure that the Curing Compound delivered to the project will have uniform properties complying with the specifications. Contact the Cement/Concrete Section for information on obtaining approval for your product.

CURING COMPOUND MANUFACTURERS

<u>Product Name</u>	<u>Company Name</u>	<u>Producer</u>	<u>Location</u>	<u>Type</u>	<u>Class</u>
Clear Resin Cure	DSSCC	P612601	Kansas City, KS	I-D	B
White Wax Cure				II	A
Clear Resin Cure w/ Dye				I-D	A
White Resin Cure				II	B
Thinfilm 445	Kaufman Prod., Inc.	P340601	Baltimore, MD	II	A
Thinfilm 422 w/ Dye				II	B
Thinfilm 453				I-D	A
L & M Cure W2	L & M Construction Chemical Co.	P606301	Omaha, NB	II	A
Certibex Envio Cure White Lean Base	Vexcon Chem., Inc.	P340801	Philadelphia, PA	II	A
Certibex Envio Cure White 500				II	B
Certibex Envio Cure Clear 500 w/ Dye				I-D	B
Safe Cure 1000	ChemMasters	P340301	Madison, OH	II	A
Safe Cure Clear				I-D	B
1610 White Pigment	W.R. Meadows, Inc.	P340401	Elgin, IL	II	A
1100 Clear w/ Dye				I-D	B
Clear Water Resin w/ Dye	Right Pointe Co.	P340505	DeKalb, IL	I-D	B
White Water Wax				II	A
Uni-White Cure Wax DOT	Universal Form Clamp Co.	P451001	Bellwood, IL	II	A
Uni-Resin Cure WB DOT				I-D	B
XL-70 Bridge Cote	Textured Coatings of America, Inc.	P124301	Panama City, FL	_____	_____
XL-70C Bridge Cote				_____	_____

FABRIC WRAPPED BACKFILL DRAINS

To be included on this approved list, drains shall meet the requirements of Section 845 of Standard Road and Bridge Specifications for Fabric Wrapped Backfill Drains. Contact the Physical Section for approval.

Producers shall demonstrate the quality of their products by providing the following:

1. A certification identifying the cover geotextile and core and their properties.
2. A 10 sq. yd. sample (minimum width of 3 feet) of the geotextile covering to allow testing by the Division. The fabric shall meet the requirements of TYPE II FABRIC as required in Section 843 of the Standard Specifications.
3. A five foot long sample of the Fabric Wrapped Backfill Drain.

The Fabric Wrapped Backfill Drain shall be evaluated and approved prior to its use on a highway project. If the product is not of uniform quality from lot to lot it will be removed from the approved list.

CLASS I - For use when depth to weep hole flow line is 3.7 m (12 feet) or less.

CLASS II - For use when depth to weep hole flow line is from 3.7 to 9.1 m (12 to 30 feet).

<u>Manufacturer</u>	<u>Product</u>	<u>Class</u>
American Wick Drain Corporation 1209 Airport Road, Monroe, NC 28110 Sarah Browning Phone: 800.242.9425	AkwaDrain	I and II
Carthage Mills 4243 Hunt Road, Cincinnati, OH 45242 Steve Anderson Phone: 800.543.4430	Carthage Edge Drain 18"	I & II
JDR Enterprises, Inc. 292 South Main Street, Suite 200 Alpharetta, GA 30004-1950 Debbie House Phone: 800.843.7569	J-Drain SWD-18	I and II
Varicore Technologies, Inc. Prinsburg, MN 56281 Marlin Breems Phone: 800.978.8007	Multi-Flow Drainage System	I and II

WATERPROOFING MEMBRANES

The approved list for waterproofing membranes has been discontinued. Please refer to Section 808.05 of the *Standard Specifications for Road and Bridge Construction*.

SILICONE RUBBER SEALANTS

The approved list for silicone rubber sealants has been discontinued. Please refer to Section 807.03.05 of the *Standard Specifications for Road and Bridge Construction*.

TRAFFIC LOOP ENCAPSULANT

The approved list for traffic loop encapsulant has been discontinued. Please refer to Section 835.06 of the *Standard Specifications for Road and Bridge Construction*.

PREFORMED EXPANSION JOINT SEALS.

The approved materials are subject to the quality criteria in Section 807.03.03 of the *Standard Specifications for Road and Bridge Construction*. Prospective new designs must be submitted to the Liquid Asphalt Section (including a sample of the manufactured seal, product literature, and recommended joint size). The Division of Materials will coordinate an evaluation of the new design with other Divisions as necessary and, if a new design is acceptable, will add it to this list of approved designs

<u>Seal Size</u>	<u>Seal Identification</u>	<u>Company</u>
4"	1. A2R-SEAL	D.S. Brown
	2. SE-400	Watson Bowman

FLEXIBLE DELINEATOR POSTS

The following products have been tested through the National Transportation Product Evaluation Program (NTPEP). New products are added to this list when the following criteria are met during the NTPEP evaluation. Contact the Chemical Section for placement on the approved list.

1. Posts are homogenous in composition. They are flexible and the same color throughout their length.
2. All posts remain within 20 degrees of vertical and are not excessively damaged (post and reflective sheeting) after withstanding five winter and five summer hits.
3. The reflective element is approximately 1.2 meters (4 feet) above the elevation of the roadway on installed ground mounted posts and 0.9 meters (3 feet) above the ground on installed surface mounted posts.
4. The entire system is evaluated. Installation time and required tools are considered as part of the system.

SURFACE MOUNTED FLEXIBLE DELINEATOR POSTS

Product	Company
SH236SMA	Safe-Hit Corporation 1930 West Winton Avenue, Building 11 Hayward, CA 94545 Phone: (510) 783-6550 Fax: (510) 783-1929
Greenline SMDW SDCF303601MB (MASTIC)	Carsonite International 605 Bob Gifford Boulevard Early Branch, SC 29916 Phone: (800) 648-7916 Fax: (303) 795-7045
Dura-Post	Flint Trading, Inc. PO Box 160, Todd Ct. Thomasville, NC 27360 Phone: (910) 475-6600 Fax: (910) 475-7900

GROUND MOUNTED FLEXIBLE DELINEATOR POSTS

Product

Company

SH248GPR
SH248GP3

Safe-Hit Corporation
1930 West Winton Avenue, Building 11
Hayward, CA 94545

Phone: (510) 783-6550

Fax: (510) 783-1929

Survivor
Greenline CGDU

Carsonite International
605 Bob Gifford Boulevard
Early Branch, SC 29916
Phone: (800) 648-7916
Fax: (303) 795-7045

FG500 with FG95 Anchor

Davidson Traffic Control Products
Bunzl - Tacoma
3110 70th Avenue East
Tacoma, WA 98424
Phone: (425) 251-8140
Fax: (425) 251-8303

NOTE: These materials will be subject to removal from this list if poor field performance is documented during use on Kentucky projects.

PRECAST CONCRETE PRODUCERS

To be placed on the approved list of Precast Concrete Producers, the producer must conform to the requirements of Section 605 of the Standard Specifications for Road and Bridge Construction. The producer must also conform to the requirements of the Division's Precast and Prestress Concrete Manual.

Contact the Concrete/Cement Section for more information on obtaining approval.

Contech Bridge Solutions, Inc.
7941 New Carlisle Pike
Huber Heights, OH 45424
P303201

Cloud Concrete Products
747 Allenridge Point
Lexington, KY 40510
P301101

*Independent Concrete Pipe
3701 Kramers Lane
Louisville, KY 40216
P300301

*Dry Cast Products Only

Oldcastle Precast, Inc.
5900 East Division Street
Lebanon, TN 37090
P301106

Pawnee, Inc.
25745 Cemetary Road
Coolville, OH 45723
P752801

Sherman-Dixie Concrete Industries
310 Steel Drive
Elizabethtown, KY 42701
P301901

Sherman-Dixie Concrete Industries
3641 Central Pike
Hermitage, TN 37076
P302701

Sherman-Dixie Concrete Industries
213 Downs Blvd.
Franklin, TN 37064
P302702

Welch Concrete Products
6580 U.S. Highway 641 North
Almo, KY 42020
P301108

Westate Construction , Inc.
P.O. Box 25
Hopkinsville, KY 42241
P301104

PRESTRESSED CONCRETE PRODUCERS

To be placed on the approved list of Prestressed Concrete Producers, the producer must conform to the requirements of Section 605 of the Standard Specifications for Road and Bridge Construction. The producer must also conform to the requirements of the Division's Precast and Prestress Concrete Manual

Prestress Plants must be designated as a PCI Certified Plant.

Contact the Concrete/Cement Section for more information on obtaining approval.

Construction Products, Inc. (Phone: 731.668.7305)
P. O. Box 3288
Jackson, TN 38301
P750101

* de-AM-RON Building Systems (Phone: 270.684.6226)
P.O. Box 217
Owensboro, KY 42301
P685301

Hoosier Precast, LLC (Phone: 812.883.4665)
200 Tarr Avenue
Salem, IN 47167
P750401

Prestress Services Industries, LLC (Phone: 270.826.6244)
P. O. Box 598
Henderson, KY 42420
P750001

Prestress Services Industries, LLC (Phone: 859.299.0461)
P. O. Box 55436
Lexington, KY 40505
P750301

Prestress Services Industries, LLC (Phone: 859.441.0068)
P. O. Box 211
Melbourne, KY 41059
P750601

* Sound Barrier Walls Only.

CORROSION INHIBITORS

Manufacturers who want their products to be considered for placement on the approved list for corrosion inhibitors should contact the Concrete/Cement Section. Use the manufacturers recommendations on the amount of the corrosion inhibitor to include as mix water.

<u>Product Name</u>	<u>Manufacturer</u>	<u>Dosage Rate (oz./cy)</u>
DCI	W. R. Grace	512
CNI	SIKA	512
FerroGard 901	SIKA	64
MCI 2000	CORTEC	16
MCI 2005	CORTEC	16
MCI 2005 NS	CORTEC	24
Rheocrete 222	Degussa	128
Rheocrete CNI	Degussa	512
RussTech RCI	RussTech	512

VARIABLE MESSAGE SIGNS

Refer to Special Note II for the specific requirements for the acceptance of Variable Message Signs. Class I signs require a legibility distance of 1200 feet. Class II signs require a legibility distance of 850 feet. Class III signs require a legibility distance of 650 feet or greater. Contact the Division of Traffic to have your product included in this list.

CLASS	PRODUCT	MANUFACTURER/SUPPLIER
Class I	MB 4048 Full Matrix	Solar Technology, Inc. 6560 Stonegate Drive Allentown, PA 18106 Phone: (610) 391-8600
		Douglass Inc. 2530 Bluff Road Indianapolis, IN 46225 Phone: (800) 428-7810
Class I	SMC-2000 Solar LED	Precision Solar Controls 2915 National Court Garland, TX 75041 Phone: (214)278-0553
		Protection Services, Inc. 635 Lucknow Road Harrisburg, PA 17110 Phone: (717)236-9307
Class I	SMC-1000 LED	Precision Solar Controls 2915 National Court Garland, TX 75041 Phone: (214) 278-0553
		Work Area Protection Corporation 2500 Production Drive P.O. Box 87 St. Charles, IL 60174-0087 Phone: (708)377-9100
		Protection Services, Inc. 635 Lucknow Road Harrisburg, PA 17110 Phone: (717)236-9307

Class I	ADDCO DH 1000 ALS (All LED Solar)	Saf-Ti-Co 2400 Millers Lane Louisville, KY 40216 Phone: (800) 292-3566 ADDCO Manufacturing CO 240 Arlington Avenue E. St. Paul, MN 55117 Phone: (612) 224-8800
Class I	WTLMB-S-LL-M	Highway Safety Services 705 Werne Drive Lexington, KY 40504 Phone: (606) 388-9144 Wanco Inc. 1630 West Evans Avenue Denver, CO 80110 Phone: (915) 446-4339
Class I	CMS-T331 LED note: Batteries must be enclosed by a metal protective covering on all 6 sides. Color is to be highway orange. Tires are to be ST 225/75R15 with a load range of C or D.	American Signal Co. 3649 Clearview Parkway Atlanta, GA 30340 Phone: (770)458-7278
Class II	TS100 Solar LED	International Traffic Control Products FM 2169 P.O. Box 24 Junction, TX 76849 Phone: (915) 446-4339
Class II	CMS-T330 Solar Led CMS-T320 Solar Flip Disk/LED CMS-T331 LED CMS-T333LED	American Signal Co. 3649 Clearview Parkway Atlanta, GA 30340 Phone: (770)458-7278
Class II	DH 1000 Solar Flip Disk/LED	ADDCO Manufacturing CO 240 Arlington Avenue E. St. Paul, MN 55117 Phone: (612) 224-8800

Class II	AESCO Model PCMS-24 X 48	American Electric Sign Co. Spokane Industrial Park, Bldg. 10 North 3808 Sullivan Road Spokane, WA 99216-1670 Phone: (509) 928-2296 The Triplex Group, Inc. P.O. Box 428 New Hope, PA 18938-0428 Phone: (215) 862-5077
Class II	#PLEDCMS 21/45/18-13/17	Lake Technology Products, Inc. 28248 County Road 561 P.O. Box 257 Tavares, FL 32778 Phone: (904) 742-1777
Class II	Night Hawk 340 Solar LED	Display Solutions Company Wink-O-Matic Traffic Signals 6301 Best Friend Road Norcross, GA 30071 Phone: (800)541-9593
Class II	Silent Messenger Sol-R-Sign LED	Solar Technology, Inc. 6560 Stonegate Drive Allentown, PA 18106 Phone: (610) 391-8600 Douglass Inc. 2530 Bluff Road Indianapolis, IN 46225 Phone: (800) 428-7810
Class II	Northern Lights VM-97 Solar LED	VER-MAC, Inc. 2520 Watt Street STE-FOY, Quebec G1P 3T4 Phone: (888) 488- SIGN
Class II	LX-5000 LED Solar Assisted	TRAFCON Industries, Inc. 81 Texaco Road Mechanicsburg, PA 17055 Phone: (717) 691-8007
Class III	Wink-O-Matic Gen III Bulb Matrix Wink-O-Matic Gen VI Flip Disk	Display Solutions Inc. Wink-O-Matic Traffic Signals 6301 Best Friend Road Norcross, GA 30071

Phone: (404) 662-5400

Class III	DH 1000 Flip Disk	ADDCO Manufacturing CO
	DH 1000 DOT-SIGN, Flip Disk/LED	240 Arlington Avenue E. St. Paul, MN 55117 Phone: (612) 224-8800

Class III	CMS-T300 Flip Disk	American Signal Co.
		3649 Clearview Parkway Atlanta, GA 30340 Phone: (404) 458-7278

SUPERPAVE GYRATORY COMPACTORS

The approved materials list for Superpave Gyratory Compactors (SGCs) has been discontinued. Please refer to Subsection 403.03.03 C) 1) of the Department's *Supplemental Specifications*

EMULSIFIED ASPHALTS

Emulsified asphalts for use in Cabinet projects shall be supplied from approved suppliers. Inclusion on the list of approved suppliers is obtained by following the guidelines of the Emulsified Asphalt Supplier Certification (EASC) program. Emulsified asphalts from approved suppliers may be used prior to testing provided that each load is accompanied by a bill-of-lading/load ticket stating that the material was produced in accordance with the EASC program. The load ticket must also contain the type of the material shipped, the lot number, the project number, quantity shipped, date shipped, and signature of the supplier's representative. For further information, contact the Liquid Asphalt Section.

Supplier

Approved Materials

Asphalt Materials (AEK)

Elizabethtown, KY

SS-1h, RS-2, HFRS-2, AE-200, HFMS-2, Primer L

Marathon Petroleum

Big Sandy, KY (BCK)

Ashland, KY (AAK)

Knoxville, TN (SSK)

Kuttawa, KY (SKK)

Louisville, KY (MLK)

Nashville, TN (SNK)

North Bend, OH (AOK)

RS-2, HFMS-2, AE-200, SS-1h

Primer L

RS-2, AE-200, SS-1h

RS-2, AE-200, SS-1h

RS-2, AE-200, SS-1h, Primer L

RS-2, AE-200, SS-1h

RS-2, AE-200, SS-1h

SemMaterials (KPK)

Parsons, TN

RS-2, SS-1

Terry's Asphalt (THK)

Hamilton, OH

RS-2, CRS-2P, SS-1h

Hudson Materials (VKK)

Knoxville, TN

RS-2, SS-1h, AE200

PERFORMANCE GRADED (PG) BINDERS

Performance Graded (PG) binders for use in Cabinet projects shall be supplied from approved suppliers. Inclusion on the list of approved suppliers is obtained by following the guidelines of the Approved Supplier Certification (ASC) program. PG binders from approved suppliers may be used prior to testing provided that each load is accompanied by a bill-of-lading/load ticket stating that the material was produced in accordance with the ASC program. The load ticket must also contain the performance grade of the material shipped, the lot number, the project number, quantity shipped, date shipped, and signature of the supplier's representative. For further information, contact the Liquid Asphalt Section.

Supplier

Approved Binders

BP Amoco (AWK) Whiting, IN	PG 58-22, PG 64-22
Ergon, Inc. (ENK) Nashville, TN	PG 64-22, PG 70-22, PG 76-22
Citgo Asphalt (CBK) Bristol, VA	PG 64-22, PG 70-22, PG 76-22
Hinkle Asphalt (HAK) Avon, KY	PG 64-22
Marathon Petroleum Big Sandy, KY (BCK)	PG 76-22
Ashland, KY (AAK)	PG 64-22, PG 70-22
Cincinnati, OH (MCK)	PG 64-22, PG 70-22
Knoxville, TN (SSK)	PG 64-22, PG 70-22, PG 76-22
Kuttawa, KY (SKK)	PG 64-22, PG 70-22, PG 76-22
Louisville, KY (MLK)	PG 58-22, PG 64-22, PG 70-22, PG 76-22
Mt. Vernon, IN (MVK)	PG 58-22, PG 64-22, PG 70-22
Nashville, TN (SNK)	PG 64-22, PG 70-22, PG 76-22
North Bend, OH (AOK)	PG 58-22, PG 64-22, PG 70-22, PG 76-22
Midwest Terminal (MPK) Paducah, KY	PG 64-22
Tanco Clark Maritime (TJK) Jeffersonville, IN	PG 64-22, PG 76-22
Greater Cincinnati Asphalt Terminal (GCK) Covington, KY	PG 64-22, PG 70-22
Terry's Asphalt (THK) Hamilton, OH	PG 58-22, PG 64-22, PG 70-22, PG 76-22

Buckeye Asphalt (SCK) Cincinnati, OH	PG 64-22
Volunteer Asphalt (DKK) Knoxville, TN	PG 64-22, PG 70-22, PG 76-22
ATS Asphalt Terminal (CLK) Lexington, KY	PG 64-22, PG 70-22, PG 76-22
Shelbyville Asphalt (SMK) Shelbyville, KY	PG 64-22
Middleport Terminal (MOK) Gallipolis, OH	PG 64-22

OFFSET BLOCKS

To be included on this list the manufacturer must conform to Subsection 814.05 of the Standard Specifications and to the dimensional requirements of the current standard drawing. In addition a letter from FHWA attesting that the offset blocks conform to the National Cooperative Highway Research Program (NCHRP) 350 Test Level 3 requirements must be submitted to the Division of Highway Design.

Note: There are no approved composite plastic offset blocks currently.

MANUFACTURERS OF HIGH DENSITY POLYETHYLENE PIPE (AASHTO M 294)

To be included on this approved list, manufacturers must comply with the requirements of Kentucky Method 64-115, "Approval Process for Manufacturers of Culvert Pipe". Contact the Physical Section to be placed on this listing.

Advanced Drainage Systems, Inc.
Buck Creek Church Road
Livermore, Kentucky 42352
Terry McElfresh Email: terry.mcfresh@ads-pipe.com
Phone No. (270) 733-4324

Advanced Drainage Systems, Inc. (*conditional status, see note below)
400 East High Street
London, OH 43140
Terry McElfresh Email: terry.mcfresh@ads-pipe.com
Phone No. 740.852.2980, 800.733.2981

Baughman Tile Co. (*conditional status, see note below)
8516 Twp. Road 137
Paulding, OH 45879
Lorie Baughman Email: lorie@baughmantile.com
Phone No. 419.399.3160

Crumpler Plastic Pipe, Inc. (*conditional status, see note below)
P.O.Box 2068
Roseboro, NC 28382-2068
Ralph Hayes Email: cppoffice@cpp-pipe.com
Phone No. 910.525.4046

Hancor
2340 East U. S. Highway 40
Brazil, Indiana 47834
Dave Gonso Email: dgonso@hancor.com
Phone No. 812-443-2080

Hancor
12370 Jackson TR 172
Findlay, Ohio 45839
Dave Gonso Email: dgonso@hancor.com
Phone No. 419-424-8222

Hancor/Hantech
433 Olive Street
Findlay, OH 45840
Dave Gonso Email: dgonso@hancor.com
Phone No. 419-424-8225

Haviland Drainage Products, Inc.
100 West Main Street
Haviland, Ohio 45851
Steve Bailey Email: sbailey@haviland-drainage.com
Phone No: 419.622.4611

Lane Enterprises, Inc. (*conditional status, see note below)
34 Strohm Road
Shippensburg, PA 17257
Edward C. Ruth Email: eruth@Lane-enterprises.com
Phone No. 717.532.5959

*Conditional approved list status: Approved pending site visit. Manufacturer to notify the Physical Section prior to shipment of any pipe to Cabinet projects.

ASPHALT MIXING PLANTS

DISTRICT # 1

Jim Smith Contracting (Lake Plant Batch)
1108 Dover Road, Grand Rivers , Ky. 42045
Telephone Number: 270.362.9799
William Johnson, Ext. 116
270.205.0827 (cell)
Fax Number: 270.362.9797
william@jimsmithcontracting.com.
Approved P184202

Jim Smith Contracting (Murray Drum)
1108 Dover Road, Grand Rivers , Ky. 42045
Telephone Number: 270.767.9160, 270.362.8661
Fax Number: 270.767.9147
william@jimsmithcontracting.com.
Approved P184203

Jim Smith Contracting (Graves Co. Paving Drum)
1108 Dover Road, Grand Rivers , Ky. 42045
Telephone Number: 270.247.6872
Fax Number: 270.362.9797
william@jimsmithcontracting.com
Approved P186201

Jim Smith Contracting (Jimar @ Paducah Drum)
1108 Dover Road, Grand Rivers , Ky. 42045
Telephone Number: 270.443.8717
Fax Number: 270.362.9797
jimar@apex.net
Approved P184201

Muarry Paving Company (Batch)
1161 State Route 94 East, Murray , Ky. 42071
Telephone Number: 270.753.0411 or
270.753.0497 (Plant)
Fax Number: 270.753.0473
270.205.0827 (cell)
william@jimsmithcontracting.com
Approved P188901

Rogers Group (Marion Batch)
P.O.Box 1045, Hopkinsville, KY 42241
Telephone Number: 270.965.4311(plant)
270.886.3393(office)
Fax Number: 270.887.6720
rmann@rogersgroupinc.com
Approved P182901

Purchase Asphalt LLC @ Mayfield (Mod. Batch)
7025 Cairo Road
West Paducah, KY 42086-9499
Telephone Number: 270.247.7911(plant)
Cell: 270.559.0565 (Lisa Barnes)
lbarnes@hgssovg.com
Fax Number:
Approved P184513

West Ky. Asphalt (Batch @ Coldwater)
P.O. Box 444, Murray , Ky. 42071
Telephone Number: 270.489.2959
Fax Number:
Not Approved (Inactive) P188201

Tennessee Asphalt (Drum @ Paris, Tenn.)
1815 E. Woodstreet P.O. Box 1327, Paris, Tenn. 38242
Telephone Number: 731.642.2832, Lab (Dusty Brown)
Office: 800.842.7495
Durante Pryor cell: 731.707.0530
Fax Number: 731.644.2646
Approved P189801

DISTRICT # 2

E & B Paving (Drum)
10900 Telephone Road, Chandler , Ind. 47610
Telephone Number: 812.473.1801 (Plant)
812-925-7404 (Main Office)
Fax Number: 812.925.7793
kycatfish2@yahoo.com
Approved P189701

Rogers Group , Inc. @ Hopkinsville (Batch)
P.O. Box 1045, Hopkinsville , Ky. 42241
Telephone Number: 270.887.6773(Plant)
270.887.6705(Lab)
270.886.3393(Office)
Fax Number: 270.887.6720
rmann@rogersgroupinc.com
Approved P182503

Rogers Group @ Henderson Ky. (Batch)
P.O. Box 1045, Hopkinsville , Ky. 42241
Telephone Number: 270.827.9863 (Plant)
270.826.0432 (Lab)
Fax Number: 270.827.3594
rmann@rogersgroupinc.com
Approved P182501

Greenville Quarries @ Highway 171 (Batch)
P.O. Box 388, Greenville , Ky. 42345
Telephone Number: 270.338.5600(Plant)
270.338.2300(Office)
Fax Number: 270.338.7464
madpavbkemp@ccol.net
madpavlburkeen@ccol.net
Approved P182301

Madisonville Paving # 1 (Batch)
2820 N. Main Street, Madisonville Ky. 42431
Telephone Number: 270.821.0104
Fax Number: 270.821.0152
madpavbkemp@ccol.net
madpavlburkeen@ccol.net
Approved P181202

Rogers Group (Princeton Batch)
P.O.Box 1045, Hopkinsville, KY 42241
Telephone Number: 270.365.2876(Plant)
270.365.9524(Lab); 270.886.3393(Office)
Fax Number: 270.887.6720
rmann@rogersgroupinc.com
Approved P182906

J.H. Rudolph & Co. @ Green River Road (Drum)
3300 South Green River Road, Evansville, In. 47715
Telephone Number: 812.473.3325(Plant)
812-473-3360(Lab)
Fax Number: 812.473.3470
rflint@jrudolph.com / jroos@jrudolph.com
Approved P188401

J.H. Rudolph & Co. (Batch)
Star Route-Box 16 SR 545 North, Troy , IN. 47588
Telephone Number: 812.547.5666
Fax Number: 812.547.7670
jtooke@jrudolph.com/ rflint@jrudolph.com
Not Approved P180013

Scotty's Contracting , Inc.@ Hartford HWY 69(Batch)
4500 Barren River Road, Bowling Green Ky. 42101
Telephone Number: 270.781.3998(Office)
270.298.3673 (Plant)
Fax Number: 270.781.3690
Approved P184502

Owensboro Paving (1 Batch/ 1Drum)
P.O. Box 2000, Owenboro , Ky. 42302
Telephone Number: 270.684.5342(Drum)
270.926.6137(Batch)270.684.9168(Lab)
Fax Number: 270.926.3660
mbrett9000@aol.com
Approved (Batch /P184001)(Drum/P189201)

DISTRICT #3

Scotty's Contracting & Stone @ Barren River
(Perm.Drum)

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.842.6806

Fax Number: 270.842.6806

jaredn@scottyscontracting.com

Approved P184112

Scotty's Contracting @ Glasgow (Rambo Mobile Drum)

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.678.5805

Fax Number: 270.678.5805

jaredn@scottyscontracting.com

Approved P184103

Scotty's Contracting @ Tompkinsville (Permanent.
Batch)

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.487.6695

Fax Number: 270.487.6695

jaredn@scottyscontracting.com

Approved P181901

Scotty's Contracting @ Russellville (Perm. Double Drum)

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.725.9555

Fax Number: 270.725.8245

jaredn@scottyscontracting.com

Approved P189601

Scotty's Contracting @ Elkton (Permanent Batch)

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.265.9163

Fax Number: 270.265.9163

jaredn@scottyscontracting.com

Approved P187901

Scotty's Contracting @ Scottsville (Top Gun Mobile
Drum)

P.O. Box 4500, Bowling Green Ky. 42102

Telephone Number: 270.622.6750

Fax Number: 270.622.6750

jaredn@scottyscontracting.com

Approved P184113

Glass Paving, Inc. (Permanent Batch/Drum)

P.O. Box 836, Flint Knob Rd., Glasgow , Ky. 42142

Telephone Number: 270.678.3140

Fax Number: 270.651.3897

aws@scrtc.com

Approved P186901

Kenway Contracting @ Bowling Green (Mobile Drum)

4520 Louisville Road, Bowling Green , Ky. 42101

Telephone Number: 270.781.1932

Fax Number:

Not Approved P180012

Scotty's Contracting (Boll Weevil Mobile Drum)

Rinker Quarry, Bowling Green North

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.842.2253

Fax Number:

Approved P184111

Kenway Contracting (Batch)

4520 Louisville Road, Bowling Green , Ky. 42101

Telephone Number: 270.781.1932

Fax Number:

Inactive P188601

Scotty's Contracting @ Bowling Green (Mobile Double
Drum),

Rinker Quarry, Bowling Green North

P.O. Box 4500, Bowling Green , Ky. 42102

Telephone Number: 270.746.2722

Fax Number:

Lab Contact: Jared Nix

270.781.3998 (Lab)

jaredn@scottyscontracting.com

Approved P184114

DISTRICT # 4

Nally & Haydon @ Greensburg (Batch)
HWY 61, Greensburg , Ky. 42743
Telephone Number: 270.932.4690
Fax Number:

Contacts: Ray Altman, Larry Caldwell
nally-haydon@kih.net

Approved P185502

Nally & Haydon @ Lebanon (Drum)
1270 Hwy 208, Lebanon Ky. 40033
Telephone Number: 270.692.2321
Fax Number:

nally-haydon@kih.net

Approved P183402

Nally & Haydon @ Springfield (Batch)
Booker Road, Springfield , Ky. 40069
Telephone Number: 270.336.7347

Fax Number:

nally-haydon@kih.net

Not Approved P185501

Nally & Haydon @ Greensburg (Drum)
HWY 61, Greensburg , Ky. 42743
Telephone Number: 270.932.4690

Fax Number:

Contacts: Ray Altman, Larry Caldwell
nally-haydon@kih.net

Approved P181706

Mago @ Bardstown (Drum/Batch Combo)
P.O. Box 669, Bardstown, Ky. 40004
Telephone Number: 502.348.6006

502.348.3953 (Lab)

502.349.3702 (Cell)

Fax Number:

Contact: Johnny Giles

jlgiles@kih.net

Approved P183307

Mago @ Irvington (Batch)
P.O. Box 669, Bardstown, Ky. 40004
Telephone Number: 270.547.4321

Fax Number:

jlgiles@kih.net

Approved P183303

Mago @ Hardingsburg (Batch)
P.O. Box 669, Bardstown, Ky. 40004
Telephone Number: 270.756.2970

Fax Number:

jlgiles@kih.net

Approved P187301

Qualified Paving LLC @ Leitchfield (Batch)
1013 Owensboro Rd., Leitchfield KY 42754
Telephone Number: 270.259.3076

Fax Number: 270.259.2015

Approved P183314

Qualified Paving LLC @ Leitchfield (Drum)
1792 Owensboro Rd., Leitchfield, KY 42754
Telephone Number: 270.259.3076

Fax Number: 270.259.2015

Approved P183318

Scotty's Contracting @ Ft. Knox (Drum)
P.O. Box 631, E-town , Ky. 42702
Telephone Number: 270.765.5066

Fax Number

mikel@scottyscontracting.com

Approved P184104

Scotty's Contracting @ Upton (Batch)
P.O. Box 631, E-town , Ky. 42702
Telephone Number: 270.369.8413

Fax Number:

mikel@scottyscontracting.com

Approved P184107

Scotty's Contracting @ Leitchfield (Drum)
P.O. Box 631, E-town , Ky. 42702
Telephone Number: 270.259.3293

Fax Number:

mikel@scottyscontracting.com

Approved P184110

Gohman Asphalt Co. @ Ft. Knox (Drum)
2776 Battletraining Rd., E-town , Ky. 42701
Telephone Number: 270.765.3382

Fax Number:

dougcox@aye.net

Unapproved (Moved) P182203

Corydon Crushed Stone @ Corydon (Drum/Batch)
1100 Quarry Road, Corydon , IN . 47112
Telephone Number: 812.738.2216

Fax Number:

Approved P188301

Glass Paving @ Horse Cave (Batch)
P.O. Box 836, Glasgow , Ky. 42142
Telephone Number: 502.786.3144

Fax Number:

aws@scrtc.blue.net

Approved P187902

DISTRICT # 5

Asphalt Supply Co. @ Sellersburg (Perm.Drum)
4700 Utica-Sellersburg Rd., Sellersburg , IN. 47172
Telephone Number: 812.246.5484
Fax Number:
rimaster@netscape.net
Approved P189501

Commercial Pavers @ Avoca (Modified Continuous)
1801 Payne Street, Louisville , Ky. 40206
Telephone Number: 502.583.1726
Fax Number: 502.583.6375
jtd@loupaving.com
Approved P185102

Flynn Brothers Contracting (Perm. Drum)
P.O. Box 32065, Louisville , Ky. 40232
Telephone Number: 502.364.9100
Fax Number: 502.451.3704
ddowns1@flynnbrothers.com
Approved P189101

Gohman Asphalt @ Sellersburg (Perm.Drum)
P.O. Box 2428, Clarksville, IN. 47131
Telephone Number: 812.282.1349
812.246.7350 (Lab)
Fax Number: 502.248.2850
Contact: Tom Partipilo
CML@Aye.net
Approved P188801

Gohmann Asphalt @ Outer Loop
P.O Box 2428, Clarksville, IN 47131
Telephone Number: 812.282.1349
Fax Number: 502.248.2850
CML@Aye.net
Location: 2001 Outer Loop, Louisville, KY
Unapproved/Dismantled P182202

Shelbyville Asphalt LLC @ Shelbyville (Perm. Batch)
1200 Brooks Industrial Lane, Shelbyville , Ky. 40065
Telephone Number: 502.633.5370
Fax Number:
Approved P182908

Independent Asphalt @ Lexington , IN. (Perm. Batch)
540 S. Reid Road, Lexington, IN. 97138
Telephone Number: 812.889.3611
Fax Number:
rimaster@netscape.net
Approved P180010

Louisville Paving @ Louisville (Perm. Batch)
1801 Payne Street, Louisville , Ky. 40206
Telephone Number: 502.583.1726
Fax Number: 502.583.6375
jtd@loupaving.com
Approved P183203

Mago Const. @ Lockport (Perm. Drum)
P.O. Box 669, Bardstown , Ky. 40004
Telephone Number: 502.348.3953 (Bardstown office)
502.845.4556 (plant)
Fax Number: 502.348.0440
jlgiles@kih.net
Approved P183308

Mago Const. @ Shepherdsville (Perm. Drum)
P.O. Box 669, Bardstown , Ky. 40004
Telephone Number: 502.348.3953
Fax Number: 502.348.0440
jlgiles@kih.net
Approved P183304

H. G. Mays Corp. @ Frankfort (Perm.Drum)
P.O. Box 797, Frankfort , Ky. 40602
Telephone Number: 502.223.3254
Fax Number: 502.875.5507
ftltest@dcr.net
Approved P182001

Ohio Valley Asphalt (Brownsboro Perm. Drum)
P.O. Box 470, Carrolton , Ky. 41008
Telephone Number: 502.241.6299
Fax Number: 502.241.5497
ken.mccarty@hinklecontracting.com
Approved P182407

MAC Construction & Excavating, Inc. (Double Barrell Drum)
1417 Quarry Rd., Jeffersonville, IN 47130-6377
Telephone Number: 812.284.3400
Fax Number:
Approved P189502

Riverside Paving (Eiler Ave. Batch)
P.O.Box 36386, Louisville , Ky. 40233
Telephone Number: 502.368.2971
Fax Number:
Not Approved (P186301)

Commercial Pavers (DBA Bullitt Co. Stone Modified Continuous)
1152 South Preston Hwy.
Shepherdsville, KY
Telephone Number: 502.543.9533
Approved P183316

DISTRICT # 6

Ohio Valley Asphalt (Carroll Co. Perm. Drum)
P.O. Box 470, Carrollton, Ky. 41008
Telephone Number: 502.732.4679
Fax Number: 502.732.6466
Approved P181501

Mago Construction Co.(Floor Creek Plant Perm.Drum)-
Butler Location
P.O. Box 669, Bardstown, Ky. 40004
Telephone Number: 859.472.6581(Butler)
502-348-3953(Bardstown)
Fax Number:
fordger@fuse.net
Approved P183306

Mago Construction Co(CarntownPerm.Batch)
P.O. Box 669, Bardstown, Ky. 40004
Telephone Number: 859.472.5117
Fax Number:
fordger@fuse.net
Not Approved P183310

Michels Paving (Pleasant ValleyRd.-Boone
Co.Perm.Batch)
P.O. Box 17390, Covington , Ky. 41017
Telephone Number: 859.371.8911
Fax Number:
joem@michelsconstruction.com
Not Approved P180601

Barrett Paving (Hebron Plant Boone Co.Perm. Batch)
7 Interstate Access Rd., Wilder Ky. 41076
Contact: Jim Jebson
Telephone Number: 859.572.4813
Fax Number: 859.781.9027
kyconstmws@aol.com
Approved P188701

Barrett Paving(Grant Co.Crittenden)(Mod.Continuous)
7 Interstate Access Rd., Wilder Ky.41076
Telephone Number: 859.428.1500
Fax Number: 859.428.0386
kyconstmws@aol.com
Approved P183802

Barrett Paving(CampbellCo.@Wilder, Mod.Continuous)
7 Interstate Access Road, Wilder , Ky. 41078
Telephone Number: 859.781.2600
Fax Number: 859.781.9027
kyconstmws@aol.com
Approved P182601

Eaton Asphalt (#1Sandfordtown Perm.Batch/Drum)
1075 Eaton Drive, Covington Ky. 41017
Telephone Number: 859.331.2300
Fax Number: 859.331.5346
859.250.3314 (Tony Ogle Cell)
togle@jrjnet.com
Approved P181701

Eaton Asphalt (#2Bellevue Perm. Batch)
1075 Eaton Drive, Covington Ky. 41017
Telephone Number: 859.586.6131 (Lab)
Fax Number: 859.331.5346 (main office)
eaplab0703@jrjnet.com
Approved P181702

Eaton Asphalt (#3 Richwood Perm. Batch)
1075 Eaton Drive, Covington , Ky. 41017
Telephone Number: 859.371.3355
Fax Number: 859.331.5346
eaplab0703@jrjnet.com
Approved P181704

Eaton Asphalt (#4 Verona Mobile Drum)
1075 Eaton Drive, Covington . Ky. 41017
Telephone Number: 859.567.6222 (Lab)
Fax Number: 859.331.5346 (main office)
eaplab0703@jrjnet.com
Approved P181705

Bluegrass Paving @ Florence (Harper) (Boone Co.
Mobile Drum)
P.O.Box 390, Hebron , KY 41048
Contact: Rick Landrum
Telephone Number: 859.372.0073
Fax Number: 606.586.2515
Mobile: 859.393.2935
Lsmith@bluegrasspaving.com
Approved P183311

Ohio Valley Asphalt (Milton Batch)
P.O.Box 470, Carrollton, Ky. 41008
Telephone Number:
Fax Number: 502.241.5497
ken.mccarty@hinklecontracting.com
Approved P183901

Barrett Paving (Cinn. Batch)
7 Interstate Access Rd., Wilder , Ky. 41076
Telephone Number:
Fax Number:
kyconstmws@aol.com
Inactive P185701

DISTRICT 6 (Cont.)

Barrett Paving (Newtown Batch)
7 Interstate Access Rd., Wilder , Ky. 41076
Telephone Number:
Fax Number:
kyconstmws@aol.com
Inactive P185802

Barrett Paving (Newton Drum)
7 Interstate Access Rd., Wilder, Ky. 41076
Telephone Number:
Fax Number:
kyconstmws@aol.com
Inactive P185801

Ohio Valley Asphalt (Sparta Drum)
P.O. Box 470, Carrollton, Ky. 41008
Telephone Number: 606.567.2111
Fax Number: 502.732.6466
Approved P182411

Eaton Asphalt Paving Co. (Corinth/Grant Co. Drum)
PLANT MOVED OUT OF STATE
Telephone Number: 513.532.3018(Cell)
Fax Number:
Unapproved P181703

DISTRICT # 7

The Allen Company (Drum Plant @ Boonesboro)
P. O. Box 537, Winchester, Ky. 40391
Contact: Adam Holt
Telephone Number: (office) 859.744-3361
(plant) 606.527.6319
Fax Number: 606.527.3128
bbqlab@mis.net
Approved P180101

The Allen Company (Drum Plant @ Berea)
P. O. Box 537, Winchester, Ky. 40391
Contact: Adam Holt
Telephone Number: (office) 859.744.3361
(plant) 859.986.2161
Fax Number: 606.527.3128
bbqlab@mis.net
Approved P180102

The Allen Company (Batch Plant/Rotary @ Danville)
P.O. Box 1077, Danville, Ky. 40423
Contact: Mike Smith
Telephone Number: (office) 859.744.3361
(plant) 859.236.2310, 859.527.3273
Fax Number: 859.236.2702
taclab@mis.net
Approved P181401

Lexington Quarry (Drum Plant @ Lexington
Qy.Jessamine)
P.O. Box 537, Winchester, Ky. 40391
Contact: Adam Holt
Telephone Number: (office) 859.744.3361 (plant)
606.885.7423
Fax Number: 606.887.0322
jhalllab@aol.com
Approved P180803

Dixie Paving (Drum Plant @ Dix River Quarry)
2225 Somerset Rd., Stanford , Ky. 40484
Telephone Number: 859.792.3088 (Plant Phone)
859.365.3501 (Office)
Fax Number: 859.365.1802
dixiepaving@yahoo.com
Approved P187201

Hamilton, Hinkle & Ruth (Batch Plant)
100 Farmers Bank Square, Georgetown , Ky. 40324
Contact: Timmy Tipton
Telephone Number: 502.863.1771 (Office)
502.863.4815 (Plant)
Fax Number: 502.863.5093
hhrlab@aol.com
Approved P185001

ATS Construction #14 (Batch Old Frankfort Pike)
1332 Old Frankfort Pike, Lexington , Ky. 40504
Telephone Number: 606.255.6502 (Plant)
606.255.1140 (Office)
Fax Number: 859.231.0946
hmeade@igloo.com
Approved P183104

ATS Construction #15 (Mod. Batch @ Vulcan Quarry,
Richmond Road)
1332 Old Frankfort Pike, Lexington , Ky. 40504
Telephone Number: 606.263.4033 (Plant)
606-255-1140 (Office)
Fax Number: 859.231.0946
hmeade@igloo.com
Approved P183105

ATS Construction #16 (Drum @ Vulcan Quarry, Old
Frankfort Pike)
1332 Old Frankfort Pike, Lexington , Ky. 40504
Telephone Number: 606.253.9173 (Plant)
606.255.1140 (Office)
Fax Number: 859.231.0946
hmeade@igloo.com
Approved P181001

Hinkle Contracting Corp. (Rotary Drum @ Paris)
P.O. Box 200, Paris , Ky. 40361
Telephone Number: 859.987.3726 (Plant)
859.987.0494 (Lab)
Fax Number: 859.663.6587
t.tipton@hinklecontracting.com
Approved P182403

Mago Const. Company (Batch @ Tyrone)
P.O. Box 669, Bardstown , Ky. 40004
Telephone Number: 502.839.6665 (Plant)
502.348.3953 (Office)
Fax Number: 502.348.0440
jlgiles@kih.net
Approved P183301

Mago Const. Company (Batch @ Harrodsburg)
P.O. Box 669, Bardstown , Ky. 40004
Telephone Number: 606.734.5996 (Plant)
502.348.3953 (Office)
Fax Number: 502.348.0440
jlgiles@kih.net
Approved P183302

DISTRICT 7 (Cont.)

Walker Const. Co. (Drum @ Mt. Sterling)
105 Apperson Heights, P.O. Box 308,
Mt. Sterling, Ky. 40353
Telephone Number: 859.498.0098 (Plant)
859.498.0088 (Lab)
859.585.2411 (Cell Jim Stewart)
Fax Number: 859.498.7444
walkerlb@mis.net
Approved P184602

DISTRICT # 8

Gaddie Shamrock @ Albany (Batch)
P. O. Box 280, Columbia , Ky. 42728
Telephone Number: 606.387.5438 (Lab)
606.387.7308 (Plant)
Fax Number: 270.384.6580
Approved P182102

Gaddie Shamrock @ Columbia (Batch)
P.O. Box 280, Columbia, Ky. 42728
Telephone Number: 270-384-2665
E-mail: gaddiecolumbia@kih.net
Fax Number: 270-384-6580
Approved P182101

Elmo Greer & Sons, LLC (Six-Pack Drum)
(Moved Out of State)
P. O. Box 730, London , Ky. 40743
Telephone Number:
Fax Number:
Not Approved (Moved to D-11) P185402

Elmo Greer & Sons, LLC @ Mt. Vernon (Drum Hanson
Quarry)
P. O. Box 730, London , Ky. 40743
Telephone Number: 606.256.1528 (Plant)
606.682.5145 (Cell Dale Gifford)
Fax Number: 606.843.7825
egspave@kih.net
Approved P180011

Hinkle Contracting @ Bethelridge (Modified Batch)
P. O. Box 200, Paris , Ky. 40362
Telephone Number: 606.787.6958 (Plant)
606.787.2105 (Lab)
Fax Number: 606.987.0727
TIPTONT@hc-corp.com
Approved P182408

Hinkle Contracting @ Somerset (Modified Batch)
P. O. Box 200, Paris , Ky. 40362
Telephone Number: 606.679.6384 (Lab)
606.678.8201 (Plant)
Fax Number: 606.987.0727
TIPTONT@hc-corp.com
Approved P182404

Hinkle Contracting @ Batesville (Drum)
P. O. Box 200, Paris , Ky. 40362
Telephone Number: 606.561.4194 (Lab)
606.561.8515 (Plant)
Fax Number: 606.987.0727
TIPTONT@hc-corp.com
Approved P182414

Mago Construction @ Monticello (Batch)
P. O. Box 669, Bardstown, Ky. 40004
Telephone Number: 606.348.8791
Fax Number: 502.348.0440
jgiles@kih.net
Approved P183305

Burton Paving, Inc. @ Columbia (Drum)
P.O. Box 369, Columbia, KY 42728
Telephone Number: 270.384.7283
Fax Number: 270.384.0004
burtonstone@alltel.net
Approved P182421

DISTRICT # 9

Hinkle Contracting @ Morehead (Batch)
P.O. Box 200, Paris , Ky. 40362
Telephone Number: 606.784.4097
timtipton@hinklecontracting.com
Approved P182413

Hinkle Contracting @ Morehead (Drum)
P.O. Box 200, Paris Ky. 40362
Telephone Nos.: 606.780.0893 plant, 606.780.0876 lab
timtipton@hinklecontracting.com
Approved P182410

Flemingsburg Materials (Batch)
KY Rt. 11, Flemingburg , Ky. 41041
Telephone Number: 606.845.7961
Fax Number:
ftltest@dcr.net
Approved P186001

Maysville Materials (Batch)
P.O. Box 181, Maysville , Ky. 41056
Telephone Number: 606.564.6791
Fax Number: 606.564.5323
ftltest@dcr.net
Approved P182002

Mountain Enterprises @ Ashland (Drum)
P.O. Box 181, Ashland , Ky. 41101
Telephone Number: 606.329.9449
Fax Number: 606.324.9636
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com
Approved P180403

Mountain Enterprises @ Grassy Creek (Batch)
P.O. Box 1054, Grayson , Ky. 41143
Telephone Number: 606.474.8873
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com
Approved P183506

Mountain Enterprises @ Kenova , WV (Batch)
2102 Chestnut St., Kenova WV. 25530
Telephone Number: 304.453.6374
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com
Approved P184511

Mountain Enterprises @ Olive Hill (Batch)
P.O. Box 5709, Olive Hill , Ky. 41164
Telephone Number: 606.286.4337,
(car: Larry Bishop 606.922.2734)
Fax Number: 606.286.5712
ounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com
Approved P181601

Brown County Construction (Batch)
8108 US 52 West, Aberdeen, OH 45101
Telephone Number: 937.795.2741
859.250.3314 (Cell-Tony Ogle)
Fax Number:
togle@jrjnet.com
Approved P182415

American Asphalt & Aggregates, Inc. (Batch)
P.O. Box 229, 2334 Big Sandy Rd., Kenova, WV 25530
Telephone Number: 304.453.3524 (plant)
304.453.6196 (office)
Fax Number: 304.453.1100
americanasphalt1@aol.com
blacktop75@aol.com
Approved P185601

DISTRICT # 10

Hinkle Contracting @ Beattyville (Perm.Drum)
P.O.Box 200, Paris, Ky. 40362
Telephone Number: 606.464.6706
Fax Number:
Approved P182902

Hinkle Contracting @ Bowen (Perm. Mod. Batch)
217 Cow Creek Road, Stanton, Ky. 40380
Telephone Number: 606.663.2437
Fax Number: 606.663.6587 Attn: Bowen Plant
Approved P182402

Hinkle Contracting @ Jackson (Modified Continuous)
P.O. Box 626, Jackson , Ky 41339
Telephone Number: 606.666.5462
Fax Number: 606.666.7144
Approved P182409

Hinkle Contracting @ Ravenna (Modified Continuous)
P.O. Box 200, Paris Ky. 40362
Telephone Number: 606.723.3563
Fax Number: 606.723.3563
Approved P182406

Hinkle Contracting @ Pomp (Batch)
P.O. Box 200, Paris , Ky. 40362
Telephone Number: 606.743.3549
Fax Number:
Approved P182412

Mountain Enterprises @ Hazard (Perm. Batch)
P.O. Box 778, Hazard Ky. 41701
Telephone Number: 606.436.3137
Fax Number: 606.439.4604
Approved P180001

Walker Co. @ Frenchburg (Perm. Drum)
P.O. Box 308, Mount Sterling , Ky. 40353
Telephone Number: 606.768.2222
Fax Number: 606.498.7444
Attn: Frenchburg Asp. Plant
Approved P184601

DISTRICT # 11

Elmo Greer & Sons, LLC (Middlesboro Mod. Batch)
P.O.Box 730, London , Ky. 40741
Telephone Number: 606.248.8999
606.843.6136 (Dale Gifford)

Fax Number:
Approved P183501

Elmo Greer & Sons, LLC (Flat Lick Mod. Batch)
P.O.Box 730, London , Ky. 40741
Telephone Number: 606.542.0339
Fax Number:
Approved P187401

Elmo Greer & Sons, LLC (Farriston Batch/DrumCombo.)
P.O. Box 730, London , Ky. 40741
Telephone Number: 606.878.7044
Fax Number:
Approved P185404

Elmo Greer & Sons, LLC (Williamsburg Mod. Batch)
P.O. Box 730, London , Ky. 40741
Telephone Number: 606.549.1848
Fax Number:
Approved P183701

Elmo Greer & Sons, LLC (Jackson Mod. Batch)
P.O. Box 730, London , Ky. 40741
Telephone Number: 606.287.7735
Fax Number:
Approved P180901

Elmo Greer & Sons, LLC (Manchester Mod. Batch)
P.O.Box 730, London , Ky. 40741
Telephone Number: 606.598.4662
Fax Number:
Approved P187402

Elmo Greer & Sons, LLC (Corbin Batch/Drum Combo.)
P.O. Box 730, London , Ky. 40741
Telephone Number: 606.528.1950
Fax Number:
Approved P180902

Elmo Greer & Sons, LLC (Lee Co., Virginia Drum)
P.O.Box 730, London , Ky. 40741
Telephone Number: 615.861.3921
Fax Number:
Approved P183002

Elmo Greer & Sons, LLC (Pittsburgh Batch)
P.O. Box 730, London , Ky. 40741
Telephone Number: 606.864.6706
Fax Number:
Not Approved P182903

Elmo Greer & Sons, LLC @ London (Pittsburg Drum)
640 Johnson Rd. London , Ky. 40743
Telephone Number: 606.878.1059
Fax Number:
Approved P180014

Elmo Greer & Sons, LLC @ Williamsburg(Drum)
944 Highway 26, P.O.Box 555
Corbin, KY 40702
Telephone Number: 606.539.0052 plant lab;
606.528.0087 office
Contact: Dale Gifford (606.843.6136 Cell)
Approved P185301

Mountain Enterprises @ Harlan (Batch)
P.O. Box 139, Bledsoe Ky. 40810
Telephone Number: 606.558.3957
Fax Number:
Approved P183704

Mountain Ent. @ Leslie Co. (Batch @ Hyden)
Telephone Number:
Fax Number:
Not Approved

DISTRICT # 12

Mountain Enterprises @ Louisa (Batch)
P.O. Box 326, US 23 North, Louisa , Ky. 41230
Telephone Number: 606.686.2882
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com
Approved P184508

Mountain Enterprises @ Martin (Drum)
P.O.Box 827, Route 80, Martin , Ky. 41649
Telephone Number: 606.874.2993
Fax Number: 606.874.8045
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P184507

Mountain Enterprises @ Paintsville (Drum)
Route 1428, Hager Hill, Ky. 41240
Telephone Number: 606.789.8859
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P180003

Mountain Enterprises @ Jenkins (Drum)
P.O. Box 100, US 23, Burdine, Ky. 41517
Telephone Number: 606.832.2166
Fax Number: 606.832.2514
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P184512

Mountain Enterprises @ Shelbiana (Drum)
851 South Mayo Trail, US 119 North, Pikeville , Ky.
41502
Telephone Number: 606.432.3150
Fax Number: 606.432.3078
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P183507

Mountain Enterprises @ South Williamson (Drum)
6382 Street, HWY 292W, Turkey Creek , Ky. 41570
Telephone Number: 606.237.7283
Fax Number: 606.237.5812
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P184509

Mountain Enterprises @ Cumberland (Batch)
P.O. Box 139, Cumberland, Ky. 40810
Telephone Number: 606.589.3957
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Approved P183705

Mountain Enterprises @ Lenore , W.Va. (Drum)
P.O. Box 13070, Lexington , Ky. 40583-3070
Telephone Number:
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Maintenance Only Approved P184510

Mountain Enterprises @ Martin Co. (Inez Batch)

Telephone Number:
Fax Number:
mounen@bellsouth.net
kbishop@mountaincompanies.com
rhill@mountaincompanies.com

Not Approved P183505

To be placed on this list, a plant must meet the requirements of Standard Specifications, Section 401.07. Initial approval is required by the Asphalt Field Operations Section.

CONCRETE REPAIR PATCH

Pavement and Formed Repair Patch

“Rapid” hardening and “Very Rapid” hardening patch material for concrete pavement of formed repair must meet ASTM C928 requirements, with the following exceptions:

“Rapid” hardening material must achieve a minimum compressive strength of 2000 psi within three (3) hours.

“Very Rapid” hardening materials must achieve a minimum compressive strength of 2000 psi within one (1) hour.

“Rapid and Very Rapid” must have a chloride content less than 0.03%.

“RAPID” HARDENING REPAIR PATCH

Brand Name

Rapid Patch-VR
ChemSpeed 65
Burke Fast Patch 928
Day-Chem Perma Patch
HD-50
DOT Patch HD
Euco-Speed MP
FX-928 NY
Durapatch Hiway
Rapid Road Repair #1242
Fastset Repair Mortar
Fastset Concrete Mix
Fastset DOT Mix
SikaQuick 2500
Uniroad Repair Patch DOT
Duracal

Manufacturer

Bonsal Commercial Products
ChemMasters
Dayton Superior Corporation
Dayton Superior Corporation
Dayton Superior Corporation
Dayton Superior Corporation / Symons
Euclid Chemical Company
Fox Industries
L&M Construction Chemicals
Quikrete
Quikrete
Quikrete
Quikrete
Sika Corporation
Universal Form Clamp Co.
US Gypsum Company

“VERY RAPID” HARDENING REPAIR PATCH

Brand Name

Rapid Patch-VR
Burke Fast Patch 928
Euco-Speed MP
FX-928 NY
Rapid Road Repair
Fastset Repair Mortar
Fastset DOT Mix
SikaQuick 2500
Duracal

Manufacturer

Bonsal Commercial Products
Dayton Superior Corporation
Euclid Chemical Company
Fox Industries
Quikrete
Quikrete
Quikrete
Sika Corporation
US Gypsum Company

VERTICAL AND OVERHEAD REPAIR PATCH

Vertical and Overhead Repair Patch

Patching material for vertical and overhead patching, prestress patching, and precast patching must meet ASTM C928 requirements, with the following exceptions:

The requirement for consistency is waived.

The three (3) hour strength is waived.

The chloride content must be less than 0.03%.

The curing temperature will be 73 ± 3 °F.

Brand Name

Fast Set Cement Mix
VO Repair Mortar
ChemPatch VO1
Euco Rapid Patch HE
FX-263
HiCap
DuraPatch VOH
Fastrac 5
Fastset Repair Mortar
Fastset DOT Mix
Right Crete Speed Repair
SikaRepair 224
Speed Crete Red Line

Manufacturer

Bonsal Commercial Products
Bonsal Commercial Products
ChemMasters
Euclid Chemical Company
Fox Industries
Kaufman Products, Inc.
L&M Construction Chemicals
L&M Construction Chemicals
Quikrete
Quikrete
Right Pointe Company
Sika Corporation
Tamms

MANUFACTURERS OF CONCRETE PIPE

To be included on this approved list, manufacturers must comply with the requirements of Kentucky Method 64-115, "Approval Process for Manufacturers of Culvert Pipe."

Initial approval is required by the Concrete/Cement Section.

Independent Concrete Pipe Co.
3701 Kramers Lane
Louisville, KY 40216-4646
P300301

Independent Concrete Pipe Co.
510 Tobacco Road
London, KY 40741-2200
P300304

Independent Concrete Pipe Co.
2050 South Harding Street
Indianapolis, IN 46221
P300002

M & W Concrete Pipe & Supply
1213 Stanley Ave.
Evansville, IN 47711
P302901

Old Castle Precast, Inc.
5900 East Division Street
Lebanon, TN 37090
P301106

Sherman-Dixie Concrete Industries
3960 Cromwell Road
Chattanooga, TN 37422
P302703

Sherman-Dixie Concrete Industries
213 Downs Blvd.
Franklin, TN 37064
P302702

Sherman-Dixie Concrete Industries
7159 Phillips Lane
Lexington, KY 40504
P300302

GEOTEXTILES

Manufacturers are required to participate in the National Transportation Product Evaluation Program (NTPEP) for Geotextiles and Geosynthetics. Test data must appear in the most current published NTPEP report. (Any organization appearing in this report shall be considered a ‘manufacturer’ for the purposes of this listing.) Test data must indicate compliance with the requirements of Section 843 of the Standard Specifications for Road and Bridge Construction for each style and type of fabric submitted for consideration. Certified data provided by the manufacturer must indicate compliance. A sample must be submitted to the Physical Section and test results must satisfy specifications.

Production lots will be randomly sampled from projects for acceptance testing. Any field samples that do not meet the specification requirements will either be removed from the project or accepted at a reduced price. If the product does not consistently meet specifications or is not of uniform quality from lot to lot it will be removed from the approved list. Specifically, any style found deficient, by laboratory analysis three times in a calendar year will be removed from the approved list. The manufacturer will be required to provide Quality Control data for at least three months of production indicating compliance with the specifications and provide samples, which have been selected randomly by an approved independent inspection firm, for evaluation by the Physical Section. Formal review of the documentation and the test results from the samples will determine if the style is eligible for addition to the approved list as a “conditionally approved” product. Project samples taken of this style within 1 year of “conditional approval” must pass all specification requirements. If the samples fail to meet these requirements the style will be permanently removed from the approved list.

When one manufacturer’s products are labeled with the name of another organization, the certifications shall be from the manufacturer. The certification shall clearly identify the manufacturer, the authorized agent of the manufacturer, the signature of the authorized agent, and the date the authorized agent signed the certification. No other organization’s information (ie. relabeler, contractor, supplier, etc.) shall appear on the certification.

If a manufacturer or supplier does not supply appropriate certification with the materials sampled from the project, but the sampled product passes specification requirements, the product will be accepted, however there will be no payment for the product. Invoice cost of the material will be deducted from the project estimate.

APPROVED GEOTEXTILE MANUFACTURERS

Manufacturer	Product Name (Style)	Type
Propex, Inc.	Propex 4553/Geotex 801	I
Linq Industrial Fabrics, Inc.	Linq 180EX	I
Webtec, Inc.	TerraTex N08	I
SKAPS Industries	GT180	I
Dalco Nonwovens	Land Tex 1080	I
Ten Cate Nicolon USA	Mirafi 180N	I
Carthage Mills	FX-86HS	I
Propex, Inc.	Geotex 861	I
Propex, Inc.	Geotex 801	I
Carthage Mills	FX80HS	I
US Fabrics	US205NW	I
TNS Advanced Technologies	TNS R080	I
Propex, Inc..	Propex 4535/Geotex 311	II
Propex, Inc..	Propex 4545/Geotex 351	II
Webtec, Inc.	TerraTex NO3	II
Ten Cate Nicolon USA	Mirafi 140N	II
TNS Advanced Technologies	TNS R031	II
SKAPS Industries	GT131	II
Carthage Mills	FX-30HS	II
Dalco Nonwovens	LandTex 1035	II
Propex, Inc.	Geotex 311	II
US Fabrics	US90NW	II
US Fabrics	US115NW	II
GSE Lining Technology	NW4	II
Propex, Inc.	Propex 2002/Geotex 200ST	III
Webtec, Inc.	TerraTex GS	III
Ten Cate Nicolon USA	Mirafi 500X	III
Propex, Inc.	Geotex 200ST	III
Belton Industries	Belton 980	III
Carthage Mills	FX-55	III
US Fabrics	US180	III
SKAPS Industries	W200	III
Linq Industrial Fabrics, Inc.	GTF200	III
Linq Industrial Fabrics, Inc.	GTF200S	III
Propex, Inc.	Propex 4552/Geotex 701	IV
Webtec, Inc.	TerraTex NO7	IV
Propex, Inc.	Geotex 701	IV
TNS Advanced Technologies	TNS R070	IV
Carthage Mills	FX-70HS	IV
SKAPS Industries	GT170	IV

Dalco Nonwovens	LandTex 1070	IV
Linq Industrial Fabrics, Inc.	160EX	IV
US Fabrics	US180NW	IV
GSE Lining Technology	NW6	IV
Ten Cate Nicolon USA	Mirafi 170N	IV

Note: Type I fabrics are acceptable for any type use, and Type IV fabrics are acceptable for Type II use.

LIST OF APPROVED SUPPLIERS AND PILE POINTS

SUPPLIERS FOR PILE POINTS

Pile points shall conform to AASHTO M103, Grade 65/35 or ASTM A148. Pile points are placed on the approved list based on evidence of compliance with the referenced specification by certified test data. Contact the Division of Construction at 502.564.4780 for initial approval and placement on the list of approved materials.

Dougherty Foundation Products, Inc. (DFP)

P.O. Box 688

Franklin Lakes, NJ 07417

Phone: 201-337-5748

Boulder Breaking and Sloping Rock Situations: H776 & H77 Series

Associated Pile and Fitting Corp. (APF)

P.O. Box 1048

262 Rutherford Boulevard

Clifton, NJ 07014-1048

Phone: 201-773-8400 or 800-526-9047

Fax: 201-773-8442

Boulder Breaking and Sloping Rock Situations: HP77600 & HP77750 Series

International Construction Equipment, Inc. (ICE)

301 Warehouse Drive

Matthews, NC 28105

Phone: 704-821-7681 or 800-439-9281

Boulder Breaking and Sloping Rock Situations: HPH-10-RB, HPH-12-RB & HPH-14-RB

Versabite

19600 SW Cipole Road

Tualatin, OR 97062

Phone: 503-691-6060 or 800-678-8772

Fax: 503-692-5939

Boulder Breaking and Sloping Rock Situations: VB-300-P Series

Boulder Breaking and Flat Rock Situations: VB-300-S Series

Mid-America Foundation Supply, Inc. (MAFCO)

P.O. Box 5198

Fort Wayne, IN 46895

Boulder Breaking and Sloping Rock Situations: HPH-10-RB-1, HPH-10-12-1 & HPH-14-RB-1

Piling Accessories, Inc.

3467 Gribble Road

Matthews, NC 28105

Phone: 704-821-9950 or 800-280-9950
Fax: 704-821-9953

Boulder Breaking and Sloping Rock Situations: PAR 10T, PAR 12T & PAR 14T

Versa-Steel Inc.
1618 NE First Ave.
Portland, OR 97232-1136
Phone: 503-287-9822 or 800-678-0814
Fax: 800-287-7483

Boulder Breaking and Sloping Rock Situations: VS 310, VS 312 & VS 314

Construction Supply Company
P.O. Box 1682
Tualatin, OR 97062
Phone: 503-612-0115
Fax: 503-612-0045

Boulder Breaking and Sloping Rock Situations: HT 300 Series

NOTE: Contractors may propose to use other suppliers and other points. Sufficient information shall be submitted for Department review and approval. Substitution of points shall be at no additional cost to the Department. The contractor shall not be allowed any extension in contract time for Department review of proposed substitutions.

MANHOLE ADJUSTING RINGS (HDPE)

To be included on this approved list, manufacturers must submit samples to the Physical Section. Please provide conformance to AASHTO's HS-25 loading requirements.

Brand Name	Manufacturer
Ladtech Adjusting Ring	Ladtech, Inc. 244 Woodridge Lane Lino Lakes, MN 55014

SILT TRAP TYPE C BAGS

Bag manufacturers and vendors must contact the Physical Section to be placed on this listing. Manufacturers and vendors must comply with the requirements of **GEOTEXTILES**, listed elsewhere in this document.

Manufacturers of the bags must use geotextiles whose manufacturers participate in the National Transportation Product Evaluation Program (NTPEP) for Geotextiles and Geosynthetics. Certified data provided and NTPEP test results must show compliance with the requirements of Section 843 of the Standard Specifications for Type II fabrics. Other physical attributes of the bags shall be in accordance with the Cabinet's standard drawing for Silt Trap Type C.

Bags will be accepted upon receipt of geotextile manufacturer certification and visual inspection of the bags at the project. Any bags that do not meet the specification requirements will either be removed from the project or accepted at a reduced price. If the bags do not consistently meet specifications or are not of uniform quality from lot to lot the bag manufacturer/vendor will be removed from the approved list.

VENDORS FOR SILT TRAP TYPE C BAGS

Frank Roberts & Sons, Inc.
1130 Robertsville Road
Punxsutawney, PA 15767
800.262.8955

Midwest Construction Products
1311 West Market Street
Louisville, KY 40203
800.382.5922

Midwest Construction Products
P.O. Box 727
Marco Island, FL 34146
828.459.2577

Note: Type IV fabrics are acceptable for Type II use.

QUALIFIED CONCRETE PRODUCER

Effective with all projects let on or after July 22, 2005, the KYTC will require concrete plants to be on the "List of Approved Materials" if furnishing more than 250 yd³ per project. This process will require the concrete plants to submit an application for approval and have a plant inspection by the Central Office Division of Materials. The Concrete Plant Application and Kentucky Method (KM 64-323) can be found on our web site. Please contact the Central Office Concrete Section if you have any questions (502)564-3160.

District	Producer Name	Producer No.	County	Location	Scale Exp.	Plant Exp.
D-1	Federal Materials	P660001*	McCracken	2425 Wayne Sullivan Dr. Paducah, KY	9-13-06	7-07
	Federal Materials	P680503	Obion, TN	106 Barham Rd. Union City, TN	9-20-06	7-07
	Federal Materials	P678101	Graves	1835 St. R. 80 E. Mayfield, KY	11-2-06	7-07
	Federal Materials	P660501	Trigg	179 Lafayette Dr. Cadiz, KY	8-6-06	7-07
	Federal Materials	P752401	Calloway	108 Lowery Dr. Murray, KY	11-2-06	7-07
	Federal Materials	P660302	Marshall	419 N. Main St. Calvert City, KY	11-5-06	7-07
D-2	IMI	P661603	Christian	Harry Barry Lane Hopkinsville, KY	12-6-06	6-06
	IMI	P661602	Christian	14023 Fort Campbell Blvd. Oak Grove, KY	9-6-06	7-06
	Federal Materials	P752201	Caldwell	10264 Hopkinsville Rd. Princeton, KY	9-16-06	7-07
	IMI	P661701	Henderson	8135 Hwy 41 South Henderson, KY	12-13-06	8-06
	IMI	P662601	Hopkins	2400 N. Main St. Madisonville, KY	5-29-06	8-06
	IMI	P662501	Muhlenburg	300 Front St. Central City, KY	12-12-06	8-06
	IMI	P662404	Union	3361 US Hwy 60 East Morganfield, KY	11-15-06	8-06
	IMI	P661901	Daviess	6131 U.S. Hwy 60 East Owensboro, KY	11-29-06	3-07
	IMI	P660402	Christian	1001 Gate 7 Road Oak Grove, KY	10-6-06	5-07

	Hancock Co. R/M	P662201	Hancock	5330 River Rd. Hawesville, KY	5-10-06	8-06
	Owensboro Concrete	P662701	Daviess	1645 Hall St. Owensboro, KY	9-8-06	8-06
	Owensboro Concrete	P662702	Daviess	1645 Hall St. Owensboro, KY	9-8-06	8-06
	H. B. Stanley	P663001	Ohio	107 E. 10 th St. Beaver Dam, KY	9-21-06	2-07
D-3	IMI	P663901	Warren	1083 Boiling Springs Rd. Bowling Green, KY	10-7-06	8-06
	IMI	P685101	Warren	2195 Barren River Rd. Bowling Green, KY	10-7-06	8-06
	IMI	P684701	Simpson	1440 Industrial By-Pass North Franklin, KY	9-10-06	7-07
	IMI	P676301	Allen	312 South 3 rd St. Scottsville, KY	8-24-06	6-07
	IMI	P663401	Barren	532 Reynolds Rd. Glasgow, KY	9-28-06	6-07
	IMI	P684101	Butler	510 Garner Camp Lane Morgantown, KY	10-19-06	6-07
D-4	Kentucky Concrete, Inc.	P665801	Hardin	1877 Illinois Rd. Radcliff, KY	9-16-06	7-06
	Kentucky Concrete, Inc.	P686701	Nelson	150 Parish Blvd. Bardstown, KY	11-15-06	7-06
	Kentucky Concrete, Inc.	P683901	Hardin	300 Sportsman Lane Rd. Elizabethtown, KY	6-22-06	8-07
	Kentucky Concrete, Inc.	P686401	Hardin	751 North Black Branch Rd. Elizabethtown, KY	11-11-06	7-06
	IMI	P665001	Hardin	1026 S. Wilson Rd. Radcliff, KY	6-6-06	8-06
	IMI	P664901	Hardin	270 McCamish Rd. Elizabethtown, KY	6-7-06	8-06
	IMI	P664701	Grayson	295 Quarry Rd. Leitchfield, KY	7-25-06	8-06
	IMI	P682701	Meade	101 Ready Mix Rd. Brandenburg, KY	10-22-06	9-06
	IMI	P665301	Marion	161 Lanham Lane Lebanon, KY	8-23-06	3-07

	IMI	P665501	Nelson	601 John Rowan Blvd. Bardstown, KY	8-17-06	3-07
	IMI	P665101	Hart	316 Cherry St. Horse Cave, KY	9-28-06	6-07
	IMI	P665601	Taylor	3725 Greensburg Rd. Campbellsville, KY	8-23-06	6-07
	Gohmann Asph. & Const. #2	P686801	Hardin	1018 East Utica Street Sellersburg, IN	9-16-06	9-06
	Gohmann Asph. & Const. #3	P686802	Hardin	1018 East Utica Street Sellersburg, IN	9-16-06	9-06
D-5	Faulkner Const.	P664602	Bullitt	Jobsite I-65 Shepardsville, KY	4-10-07	8-07
	Gohmann Asph. & Const. #1	P686001	Jefferson	Outer Loop Rd. Louisville, KY	9-10-06	3-07
	IMI	P667001*	Jefferson	1440 Selinda Ave. Louisville, KY	11-17-06	8-07
	IMI	P666501*	Jefferson	12901 Avoca Rd. Louisville, KY	12-12-06	8-07
	IMI	P667004	Shelby	517 Old Seven Mile Pk Shelbyville, KY	10-3-06	8-07
	Advance Ready Mix	P715101	Jefferson	820 Water St. Louisville, KY	12-23-06	8-06
	Advance Ready Mix	P715102	Jefferson	3098 Element Ave. Louisville, KY	12-23-06	8-06
	Advance Ready Mix	P715104*	Jefferson	201 N. Clay St. Louisville, KY	6-15-06	8-06
	Kentucky Concrete, Inc.	P666301	Shelby	998 Old Finchville Rd. Shelbyville, KY	1-11-07	8-07
	Harrod Concrete & Stone	P666401	Franklin	P.O. Box 794 Frankfort, KY	9-17-06	5-07
	Pearce Ready Mix	P682601	Oldham	4600 Old Lagrange Rd. Buckner, KY	1-24-07	6-07
	Pearce Ready Mix	P682602	Jefferson	6801 Enterprise Dr. Louisville, KY	7-13-06	6-07
	Pearce Ready Mix	P682603	Clark	5000 Keystone Blvd. Jeffersonville, IN	10-24-06	6-07
	Pearce Ready Mix	P682604	Henry	268 Carmen Creek Rd. Campbellsburg, KY	10-24-06	6-07
D-6	All-Rite Ready Mix	P676103	Boone	Aristocrat Drive Florence, KY	11-27-06	6-06

All-Rite Ready Mix	P687701	Campbell	Williams Way Wilder, KY	11-27-06	6-06
Ernst Concrete	P681801	Boone	291 Stephenson Mill Rd. Walton, KY	11-19-06	6-07
Gallatin County Ready Mix	P668803	Gallatin	Sparta, KY	8-10-06	7-06
Grant County Concrete	P667502	Grant	South Main Street Dry Ridge, KY	12-7-06	7-06
Hilltop Basic Resources*	P667801	Hamilton	511 W. Winter St. Cincinnati, OH	7-9-06	8-06
IMI	P668601	Boone	40 Depot Street Walton, KY.	11-19-06	11-06
IMI	P667301	Carroll	266 Jay Loudon Rd. Carrollton, KY	8-20-06	2-07
IMI	P682401	Gallatin	20 Sparta Pike Warsaw, KY	8-20-06	2-07
IMI	P668602	Grant	101 Taft Hwy Dry Ridge, KY	9-09-06	11-06
Moraine Materials	P665906	Boone	1593 Yowell Rd. Hebron, KY	5-1-06	11-06
Moraine Materials	P667701	Boone	US Hwy 25 Florence, KY	10-4-06	11-06
Moraine Materials	P667601	Hamilton	8 th Street Cincinnati, OH	3-17-06	11-06
Reis Concrete	P667902	Pendelton	Rt 2, Hwy 27 Falmouth, KY	9-11-05	5-06
Reis Concrete	P667901	Campbell	Alexandria Pike Alexandria, KY	12-9-06	5-06
D-7					
Atlas Concrete	P669901	Montgomery	240 Fogg Pike Mt. Sterling, KY	1-25-07	8-07
W.T. Congleton Co.	P669401	Fayette	613 Laco Dr. Lexington, KY	9-14-06	7-07
W.T. Congleton Co.	P122801*	Fayette	613 Laco Dr. Lexington, KY	9-14-06	7-07
Concrete Materials (100)	P669701	Madison	106 Industry Rd. Richmond, KY	10-28-06	8-07
Concrete Materials (500)	P669703	Madison	106 Industry Rd. Richmond, KY	10-5-06	8-07
Concrete Materials	P669301	Boyle	1754 Old Stanford Rd. Danville, KY	9-3-06	8-07
Harrod Concrete & Stone	P669501	Fayette	5031 Jo Mars Rd.	11-10-06	10-06

	Irving Materials, Inc.	P669601	Jessamine	Lexington, KY 2180 Catnip Hill Rd.	10-21-06	12-06
	Irving Materials, Inc.	P669101	Anderson	Nicholasville, KY 1001 General Cable Dr.	8-1-06	5-07
	Irving Materials, Inc.	P669801	Mercer	Lawrenceburg, KY 910 Burgin Rd.	9-09-06	7-07
	Ready Mix Concrete, Inc.	P713501	Fayette	Harrodsburg, KY 341 Blue Sky Parkway	11-3-06	6-07
	Monticello Ready Mix	P671401	Wayne Bassett	Lexington, KY Stone Monticello, KY	10-20-06	8-07
D-8	Pyles Concrete, Inc.	P752301	Adair	2576 Campbellsville Rd.	8-9-06	8-06
	Pyles Concrete, Inc.	P752302	Russell	Columbia, KY 2921 Hwy. 127 N.	8-9-06	8-06
	Pyles Concrete, Inc.	P752303	Pulaski	Russell Springs, KY 195 Browning Rd.	9-14-05	8-06
	Ready Mix Concrete	P671102	Pulaski	Somerset, KY 39 Garner School Rd.	7-10-06	10-06
	McCreary County Ready Mix	P681701	McCreary	Somerset, KY P.O. Box 576	10-20-06	10-06
	Russell County Ready Mix	P671301	Russell	Whitley City, KY P.O. Box 554	5-15-06	10-06
	Lincoln County Ready Mix	P679401	Lincoln	Russell Springs, KY US Hwy 27 S	10-6-06	7-07
	Rockcastle Ready Mix	P684501	Rockcastle	Stanford, KY KY Hwy 461	1-11-07	8-07
D-9	Maysville Ready Mix	P671501	Mason	Mt. Vernon, KY P.O. Box 250	9-23-06	5-06
	Pickett Concrete	P681302	Rowan	Maysville, KY 1466 Flemingsburg Rd.	10-5-06	7-06
	The Wells Group, LLC	P671601	Fleming	Morehead, KY 2278 By-Pass Rd.	5-1-06	6-07
	The Wells Group, LLC	P671902	Rowan	Flemingsburg, KY Morehead, KY	11-1-06	6-07
	The Wells Group, LLC	P682101	Boyd	1001 Joe Wells Rd.	11-1-06	6-07
	The Wells Group, LLC	P672201	Greenup	Ashland, KY	10-3-06	6-07

Wurtland, KY

D-10	Concrete Materials (500)	P672901	Estill	307 Main St. Ravenna, KY	8-22-05	6-06
	Atlas Concrete	P669902	Meniffee	Indian Creek Rd. Frenchburg, KY	10-13-06	6-06
	The Wells Group, LLC	P672601	Breathitt	1191 Hwy 15 N. Jackson, KY	9-20-06	4-07
	The Wells Group, LLC	P673101	Powell	151 Ladonna Dr. Clay City, KY	4-20-06	3-07
	The Wells Group, LLC	P672804	Magoffin	Route 460 Salyersville, KY	9-6-06	3-07
	The Wells Group, LLC	P672801	Morgan	504 West Main West Liberty, KY	9-20-06	3-07
	Home Lumber Co.	P672701	Perry	P.O. Box 1037 Hazard, KY	8-10-06	7-07
D-11	Tri County Ready Mix	P673201	Laurel	277 Ready Mix Rd. London, KY	8-23-06	9-06
	Tri County Ready Mix	P687301	Whitley	285 Buchannon Blvd. Corbin, KY	7-9-06	9-06
	Dallas Benge Concrete, LLC	P680405	Laurel	1350 E. Hwy 30 East Bernstadt, KY	9-7-06	10-06
	Mountain Const. Conc. Div.	P680401	Harlan	413 County Pike Hwy. Loyall, KY	10-20-06	2-07
	Mountain Const. Conc. Div.	P680403	Harlan	P.O. Box 269 Grays Knob, KY	10-20-06	2-07
	Harlan County Concrete	P680407	Harlan	2550 West Highway 72, Suite 202 Harlan, KY	7-26-05	5-07
D-12	The Wells Group, LLC	P714201	Martin	Hwy 1714 Lovely, KY	9-6-06	6-07
	The Wells Group, LLC	P674502	Floyd	Dobson Branch Rd. Prestonsburg, KY	11-31-06	6-07
	The Wells Group, LLC	P680901	Lawrence	229 Fallsburg Rd. Louisa, KY	9-6-06	6-07
	The Wells Group, LLC	P683102	Letcher	150 Dunham Rd. Jenkins, KY	11-3-06	7-07
	The Wells Group, LLC	P683101	Pike	Rt. 612 Turkey Creek Rd. South Williamson, KY	10-11-06	7-07

The Wells Group, LLC

P674601

Pike

1731 West Shelbiana Rd.
Shelbiana, KY

11-30-06

7-07

* Denotes Central Mix Plant

BREAKAWAY SIGN POST SUPPORT SYSTEMS FOR TYPE C BEAMS

To be placed on this approved list the material supplier or manufacturer must meet the following criteria:

1. Demonstrate Omni-Directional Breakaway Performance and be crash tested at an FHWA certified facility with a minimum of 0, 45, 75, and 90 degree impact angles.
2. Comply with NCHRP Report 350.
3. Comply with the AASHTO 2002 Roadside Design Guide.
4. Comply with the MUTCD
5. Comply with the KYTC Division of Traffic Operations Guidance Manual.
6. Comply with Section 106.04 of the Standard Specifications for Road and Bridge Construction *Buy American Requirement*.
7. Breakaway support hardware must be included on the FHWA list of acceptable, crashworthy supports.
(http://safety.fhwa.dot.gov.fourthlevel/pro_res_road_nchrp350.htm)
8. Require no specified torque on the bolts.
9. Perform sufficient structurally to support the beams and signs and to resist ice and wind loads as specified in the 2001 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.
10. The supplier must be able to provide a parts inventory for future maintenance.

Contact the Director of Highway Design for information on obtaining approval for your product.

<u>Product Name</u>	<u>Manufacturer</u>	<u>Location</u>
Break Safe	Transpo Industries, Inc.	20 Jones Street New Rochelle, NY 914-636-1000

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